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SIXPENCE.

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"A SHIP MIGHT JUST AS WELL STRIKE A ROCK": A GIANT ICEBERG, AKIN TO THAT WHICH CAUSED
THE SINKING OF THE "TITANIC."

Dr. H. R. Mill, interviewed by the "Chronicle" after the "Titanic" disaster, said: "A certain amount of help in detecting the approach of icebergs is given by observing the temperature of the sea. As a rule, on the ordinary Transatlantic steamers the sea-water temperatures are taken at intervals of two hours. But with a very fast vessel such intervals are of comparatively little value for the purpose of

giving warning. I am not aware whether on these fast steamers the temperature observations are taken very frequently, but it would be an obvious prevention to do so. These icebergs are usually comparatively small so far as area is concerned, but they are of great height, and extend to an enormous depth below the water, so that they have tremendous momentum. A ship might just as well strike a rock."

PHOTOGRAPH BY SHEPSTONE.

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THE FIVE WHO REACHED THE SOUTH POLE: CAPTAIN AMUNDSEN AT HOBART;

WITH THE OTHER MEMBERS OF THE FURTHEST SOUTH PARTY AND DOGS.



1. OF THE TEAM WHICH WENT FURTHEST SOUTH: DOGS WHICH REACHED THE SOUTH POLE WITH CAPTAIN AMUNDSEN.

2. TWO OF THOSE WHO REACHED THE POLE: OSCAR WISTING AND THE DOG OBERST ("COLONEL") THE OLDEST AND BIGGEST OF THE PACK.

3. THE FIVE WHO ATTAINED THE SOUTH POLE: HASSEL, WISTING, CAPTAIN AMUNDSEN, BJAALAND, AND HANSEN ON THE "FRAM," AT HOBART.

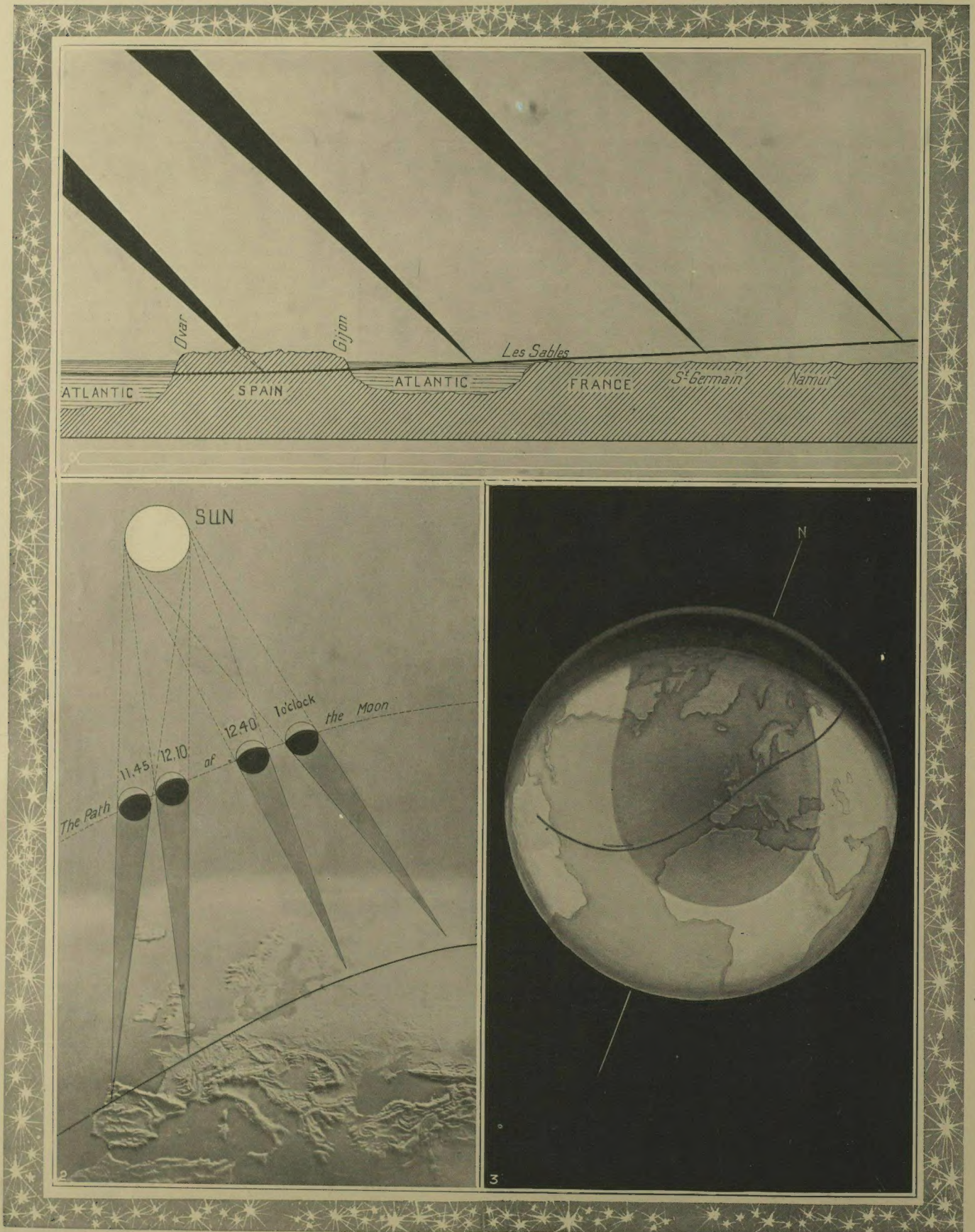
Early in March the "Daily Chronicle" was able to make the announcement that Captain Roald Amundsen had, to use his own expression, "attained the South Pole." The famous explorer's narrative, published in the same paper, said: "The original plan, that all of us should go towards the south, had been changed. . . . We numbered five men, four sledges, and fifty-two dogs, and took with us provisions for four months. . . . We made out that we ought to be on the Pole on December 14th. . . . The day went on without incident, and at

3 p.m. we made a halt. According to our reckoning we had reached our destination. . . . The following day, in fine weather, we took a series of observations. . . . On December 16. . . . four of us took observations every hour of the day's twenty-four. . . . We observed the position of the Pole as close as it is in human power to do with the instruments we had—sextant and artificial horizon. . . . Eleven dogs survived the whole journey and safely reached the 'Fram.'" Captain Amundsen sent the first news of his success from Hobart.

PHOTOGRAPHS BY J. W. BEATTIE, HOBART.

THE SWEEP OF THE SHADOW - CONE ACROSS THE WORLD: THE ECLIPSE.

DRAWINGS BY THE ABBÉ TH. MOREUX.



1. FROM PORTUGAL, FROM THE NEIGHBOURHOOD OF WHICH A TOTAL ECLIPSE WILL BE SEEN, OVER SPAIN AND FRANCE: THE PASSAGE OF THE SHADOW - CONE OVER WESTERN EUROPE.
2. THE SWEEP OF THE SHADOW: THE LINE TRAVERSED BY THE CONE ACROSS EUROPE BETWEEN 11.45 AND 1 O'CLOCK ON APRIL 17—AT THE RATE OF 2820 KILOMETRES (ABOUT 1762½ MILES) AN HOUR.
3. AS A SPECTATOR SITUATED IN SPACE, FACING LES SABLES D'OLONNE, IN THE VENDÉE DEPARTMENT OF FRANCE, WOULD SEE IT: THE EARTH AT NOON ON APRIL 17, THE DAY OF THE ECLIPSE.

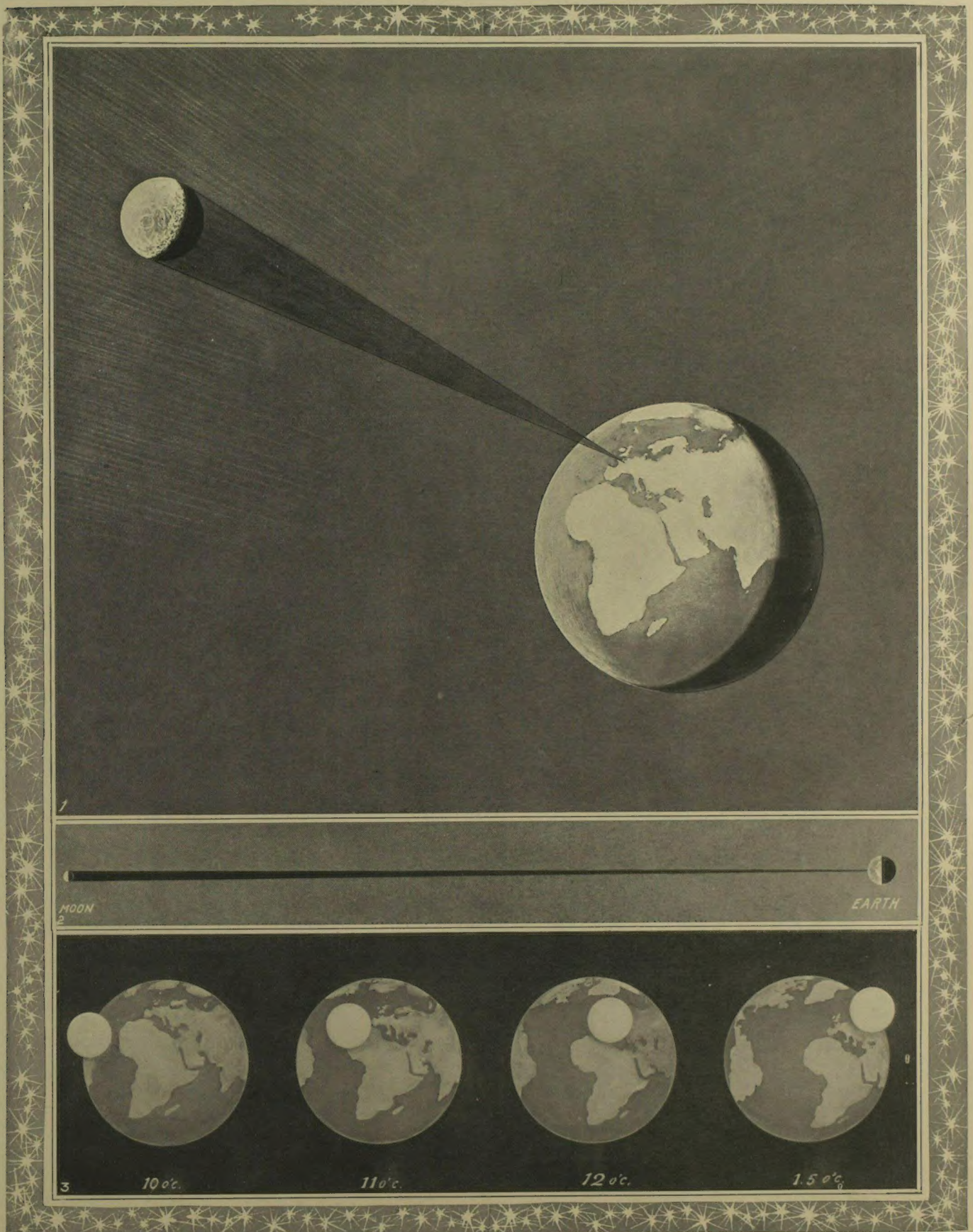
On April 17 there was an eclipse of the sun; total in some places, annular in others. We cannot do better than quote a few lines from an excellent article in a "Daily Telegraph" of the beginning of the week: "The globe of the sun is in diameter four hundred times as large as the moon, and if lines be drawn touching the surfaces of both bodies to enclose them completely, these lines will form a cone. The part of this which is between the moon and earth [is] called the shadow-cone . . . and from an eye within this

the sun will be completely shut off and there will be a total eclipse. To an eye outside the cone some part of the sun may or may not be obscured, according to the position of the observer. If he be placed in the prolongation of the cone . . . he will see the phenomenon described as an annular eclipse; if he be outside, but near, the cone or its prolongation, the eclipse will be a partial one to him, but if far away he will see the sun unobscured,—

[Continued opposite 579.]

THE MOON BETWEEN THE SUN AND THE EARTH: THE SOLAR ECLIPSE.

DRAWINGS BY LUCIEN RUDAUX.



1. SHOWING THE SHADOW-CONE THOSE WITHIN WHOSE SPHERE WILL SEE A TOTAL ECLIPSE OF THE SUN; THE POSITION OF THE MOON BETWEEN THE SUN AND THE EARTH ON APRIL 17; WITH THE APEX OF THE SHADOW-CONE SWEEPING THE NEIGHBOURHOOD OF PARIS AT TEN MINUTES PAST NOON ON THAT DAY.

2. THE MOON AND THE EARTH: THE RELATIVE DIMENSIONS OF THE TWO BODIES AND THE DISTANCE WHICH DIVIDES THEM.

3. WHAT A SPECTATOR ON THE SUN WOULD SEE BETWEEN TEN O'CLOCK IN THE MORNING ON APRIL 17 AND ONE O'CLOCK IN THE AFTERNOON OF THE 18TH: THE MOON PASSING THE EARTH AND DESCRIBING A TRAJECTORY DUE TO ITS OWN ROTATION AND THAT OF THE EARTH.

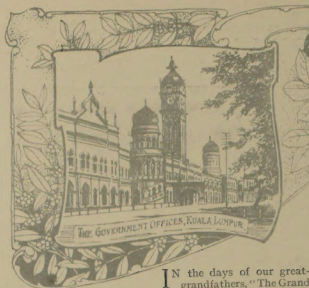
Continued.

—It is clear that the circumstances of any eclipse are controlled by the condition whether the shadow does or does not reach the earth . . . Since the shadow traverses the earth at the rate of nearly 2000 miles an hour, and totality or annularity at any place lasts whilst the shadow, which is only a mile or two in diameter, passes, it follows that either phenomenon can last but a few seconds. London, it was calculated, would see over nine-tenths of the solar disc obscured. With regard to the third illustration on the first

page, it should be said that the sinuous black line marks the path of the apex of the shadow-cone and that the Arctic regions are seen in darkness. Of the first illustration on the second page, it should be pointed out that, obviously, the moon and the earth are not shown in their relative dimensions, or with the correct distance between them; they are so shown in the second illustration on the same page. The eclipse, by the way, was the largest solar eclipse in the British Isles for four-and-fifty years.

BRITISH MALAYA:

An Attractive Field FOR TRAVEL, HUNTING & INVESTMENT.



IN the days of our great-grandfathers, "The Grand Tour" consisted of a trip through Central and Southern Europe, with a more or less prolonged stay in some of the principal Continental cities. Sterne, Dickens, Lever, and others have delineated the comforts and discomforts of travel by diligence, while their genius has sketched for us pen-portraits of their fellow-travellers and the personages, great and small, with whom fortune had brought them into contact. But the youth of the present age finds little pleasure in the experiences of "The Doldrums Family Abroad." The Mid-Victorian days have been left far behind. Improved methods of locomotion have annihilated space. The modern youth likes to travel farther afield, to visit countries that were little more than a geographical term to his progenitors, and to seek adventures of his own in new and far-distant lands. It takes

embracing the four Federated Malay States (Selangor, Perak, Negri Sembilan, and Pahang) and the protected Native States of Johore, Trengganu, Kelantan, Kedah, and Perlis. Of these, Trengganu, Kelantan, Kedah, and Perlis came under British suzerainty so recently as 1909, in accordance with a new Treaty with Siam. In all of these, with the exception of Trengganu, there is installed a British Resident, whose advice is followed in the internal administration of the States. In Trengganu an official resides at the capital as the accredited Agent of the British Government; and the Sultan of Johore, whose political interests in recent years have become more closely identified with those of the Empire, has been benefiting from the advice of an officer lent from the Federated Malay States' Civil Service. Thus has British influence expanded throughout the Peninsula during the past three years.

It is in the Federated Malay States, however, that the beneficent effects of British help have been most marked. The Federation did not come into being till 1896, but hitherto since the Treaty of Pangkor in 1874—and, indeed, for a year or two before, though not perhaps so intimately—collection and control of all revenues and the general



ON THE WAY TO AYER HITAM.

£3,097,852 sterling as compared with £836,928 in 1890. The total value of the trade in 1910 was £18,212,499, compared with £5,711,187 in 1890 and £10,082,120 in 1900. Of the total in 1910, £6,213,101 represented the value of imports and £11,999,398 exports. Thanks to the policy pursued since 1874, the country is not only free from debt, but it has built about 600 miles of railways and 3000 miles of roads, constructed harbour works and magnificent public offices, laid out new towns in populous centres and supplied them with water, gas, and electricity out of the public purse, besides accumulating reserves which have enabled the States to lend money to Johore to build a connecting railway between Singapore and Negri Sembilan, and to Siam, to connect the Siamese system with an extension of the F.M.S. system in Pahang and Kelantan.



Photo. Deben.

PENANG: A COCONUT PLANTATION.

but it is predicted that success awaits the development of this form of mining.

During the past ten years a new industry has sprung up, and is fast changing the aspect of the country. The jungle has been felled and rubber plantations laid out, representing, it is computed, some £25,000,000 sterling. Already as they do in tin, the Federated Malay States lead the way as the largest individual producers of cultivated rubber in the world. In 1909 the output was 6,087,813 lb., in 1910, 12,212,111 lb.; and in 1911, 19,693,339 lb. The increase in 1911 was not so great as had been anticipated, probably on account of an unusual and protracted period of drought; but the statistics to hand for January and February last show an increase over the

young men for periods of six months to the Agricultural and Forest Departments. During this time they ought to be able to become intimately acquainted with the resources of the country and how to set about establishing themselves in suitable localities.

The climate, though hot and moist, is by no means unhealthy when compared with other tropical countries, and the cost of living compares favourably with prevailing rates in other Far Eastern colonies.

Rubber is not the only agricultural product of great value, however. The coconut-palm, upon whose rich fruit so many home industries (including the manufacture of margarine) are growing more and more dependent, is not only largely and profitably cultivated, but promises to add more materially to the natural prosperity of the country. There is infinite opportunity in the four States for the development of the coconut industry, and no more healthful or attractive form of outdoor occupation can be imagined than the management of a coconut estate situated on the charming shores of one of these Far Eastern States. Coffee is not now cultivated so generally as it was a few years ago; but the cultivation

and profitably in making the journey overland from Singapore to Penang, passing through Kuala Lumpur and the chief planting and mining centres.

The tourist who wishes to prolong his journey and to intersperse it with some sport will find an expedition into the Eastern State of Pahang enticing and productive. Here he may shoot big game in the shape of rhinoceros and elephant, seladang (*bos gaurus*) and deer, tiger, panther, and wild pig, while smaller game may be had in their proper season. The excellent railway system of the F.M.S. will transport him to a convenient town where all the preparations for such an expedition can be carried out, and where advice on details may be obtained from local *shikaris*.

Visitors to Malaya need be under no misapprehension on the score of health. Though it is a tropical



TAPPING A GUTTA-PERCHA TREE.

less time to-day, and involves less risk or discomfort to visit Peking or Calcutta than it took to visit Rome or Venice half a century ago; and with the shrinkage that has been effected in travel by improved methods of transport, it is little cause for wonder that the Malay Peninsula—not so many years ago a *terra incognita*—should be traversed by those to whom "the Grand Tour" now means a year's trip round the world.

Singapore, one of the Straits Settlements, is known to most of us as an important seaport lying midway between India and China, one of the links in Great Britain's chain of military and naval strategic bases in the Far East; but not so many are personally acquainted with the beautiful hinterland known as British Malaya, and



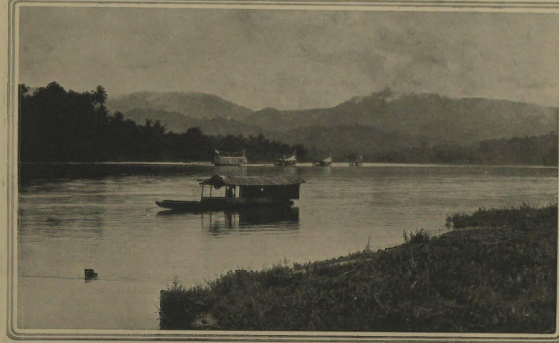
Photo. Chamber.

AT KUALA LUMPUR, SELANGOR, CAPITAL OF THE FEDERATED MALAY STATES: THE PADANG.

administration of the country have been regulated under the advice of the British Residents. There is no need to follow all the permutations of internal political development in the Federated Malay States. It is sufficient to state that the Civil Service is mainly composed of British officials, that the Federal affairs are discussed by a Federal Council composed of the Native Rulers, their British Residents, and unofficial representatives, presided over by a High Commissioner (who is also Governor of the Straits Settlements) and a Chief Secretary to Government, with a final right of appeal to the Colonial Office in Downing Street.

Under British control, the Malay States have grown rapidly in material prosperity. The revenue has gone up by leaps and bounds until in 1910 it reached the sum of

All this has been rendered possible from the richness of the country's products. For their size, Perak and Selangor are said to be the richest territories in the world. Tin is the commodity on which, in the past, the prosperity of the Malay States has been founded. Half of the world's supply of tin is produced in the Federated Malay States, the quantity exported in 1911 amounting to 4,118 tons, of an approximate value of £8,132,872, an increase of £1,470,038 over 1910. Much of the alluvial tin has been won by Chinese miners following primitive methods, but modern machinery is coming largely into use, and hydraulic and dredging plants are installed in different parts of the country. Lode mining has not yet been followed to any great extent,



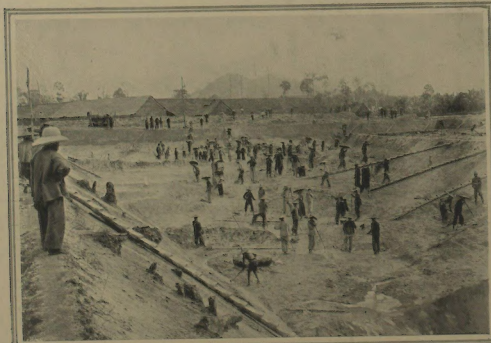
IN ONE OF THE FEDERATED MALAY STATES: A RIVER AND MOUNTAIN SCENE IN PERAK.

corresponding statistics for 1911 of 2,626,324 lb. With the current price of rubber about 5s. 2d. per lb., this indicates how valuable an industry rubber-growing has become in British Malaya. In 1906 the output was only 1,035,601 lb., of an approximate value of £399,000. In 1910, when the output was 12,245,864 lb. for the whole Peninsula, the value had risen to £5,095,000. Every encouragement is given by the Government to planters and mining prospectors, and as the country is yearly becoming more attractive for the investment of capital it may be safely predicted that Malaya is as yet on the threshold of a period of abounding prosperity. To attract smaller capitalists as resident planters, the F.M.S. Government offers to attach four

of the Robusta species of the coffee-plant is warmly advocated by those who have experience in Far Eastern planting as a highly remunerative industry. In Malaya, the plant produces freely and makes a profitable investment.

To those who have exhausted lands nearer home for touring purposes, the Malay Peninsula offers a new field for the motorist. Almost any make of car is suitable for a tour in Malaya. There are nearly 3000 miles of road open for the motor-car. They are magnificently constructed, mostly with easy gradients, and pass through unrivalled tropical scenery. In all the principal towns there are garages with trained mechanics, and petrol is always available at convenient centres. A week can be spent pleasantly

and jungle land, the climatic conditions are by no means oppressive, and it is only the official or trader who has to make a prolonged stay in the country who might feel the enervating effects of the climate. There are excellent hotels in the chief towns, and the Government maintains a large number of rest-houses (or *dak bungalows*) throughout the States, where food and accommodation can be obtained by travellers at fixed and moderate prices. Anyone contemplating a trip to the Malay Peninsula would do well to communicate with the Information Agency established by the Malay States Government at 88, Cannon Street, London, E.C., where useful hints on routes, fares, clothing, and the like may at all times be obtained.



STRIPPING THE OVERBURDEN IN AN OPEN-CAST TIN-MINE, SUNGAI SIPUT, PERAK.

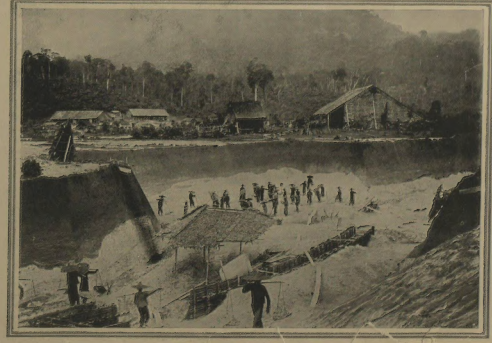


Photo. Nicholson.

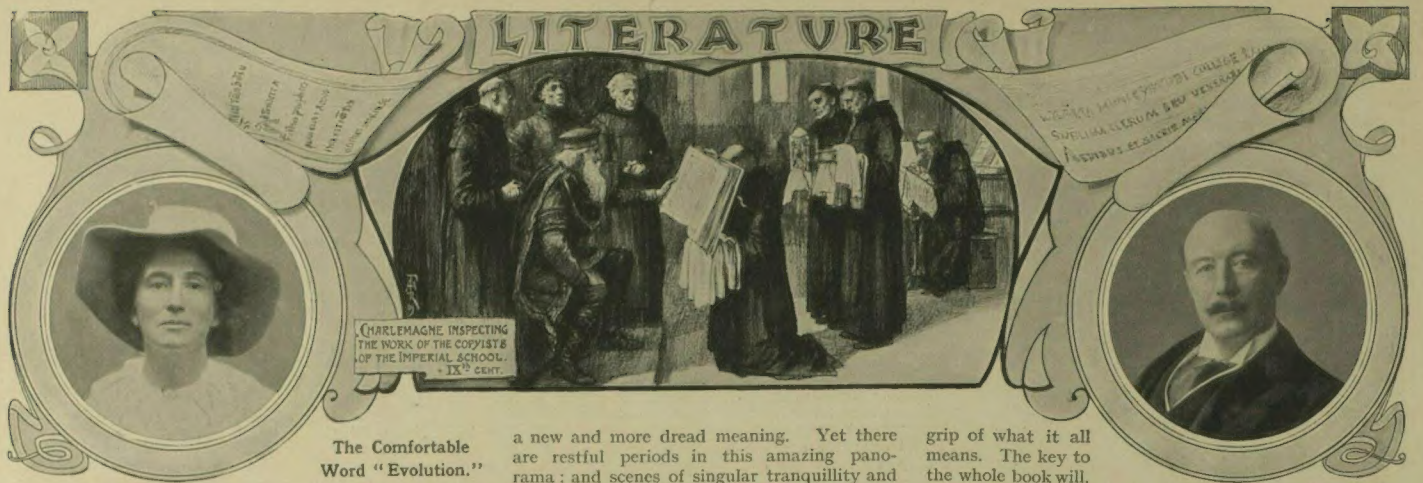
A RUBBER-PLANTATION, SHOWING A LATEX-COLLECTING CART.



A CLUB AND RESTHOUSE, KUALA KANGSAR, SHOWING COCONUT-TREES.



AN OPEN-CAST TIN-MINE, CHEONG CHAI, PERAK.



BARONESS VON HUTTEN.
Whose new Novel, "Sharrow," has just been published by Messrs. Hutchinson.

The Comfortable Word "Evolution."

When Huxley coined that most happy phrase, "the comfortable

a new and more dread meaning. Yet there are restful periods in this amazing panorama: and scenes of singular tranquillity and beauty are placed before us. Scenes which afford us time to think: to attempt to get a

grip of what it all means. The key to the whole book will, we think, be found in the wonderful

THE EARL OF DUNRAVEN.
Whose new Book, "The Finances of Ireland: Before the Union and After," is announced.

word Evolution," it had already lived down the evil name accorded it by scared theologians. But even now Evolution is still the catchword which releases that Jack-in-the-box labelled "Man, the child of the Monkey"—a purely fictitious genealogy, but old beliefs die hard. Those who would gather for themselves where we now stand in regard to the Evolution theory should turn to the pages of a most seductive volume from the pen of that able writer, Mr. Henry Knipe, "Evolution in the Past" (Herbert and Daniel). The author has given us, in what we may, perhaps, be allowed to call a piece of literary cinematography, an almost awesomely realistic *revue* of the history of the world, dating back, according to his own chronology, to B.C. 100,000,000! Earlier than this he does not care to go; indeed, there is little to say thereof, for "the earth was without form and void." But the real interest of his book begins, the creepy part, B.C. 30,000,000—which is quite a long time ago; and his mental films do not stop till they have reached B.C. 50,000. During these years, as may be imagined, quite a lot happened. But Mr. Knipe is concerned only with such episodes as relate to animal and vegetable life, and he has found enough thereof to fill a big book. After the curtain has fallen on Scene I., "Foundational Ages," it rises again to the accompaniment of slow music, revealing the quiet, mysterious depths of an ancient sea, in whose limpid waters float jelly-fishes, and cuttle-fish, and strange crustaceans, unlike anything we know to-day; creatures which, through no fault of their own, have been branded with names like *Aglaspis*, *Strabops*, *Entomidella* and *Caryocaris*. Many such scenes pass before us, till at last we are brought face to face with most fearsome-looking beasts, which seem rather to be the products of a succession of nightmares than the portraits of creatures which have really lived and died; and many of them, too, on British soil. After these, Tennyson's reference to "Dragons of the prime, That tare each other in their slime," assumes



Loxomma and Dolichosoma.

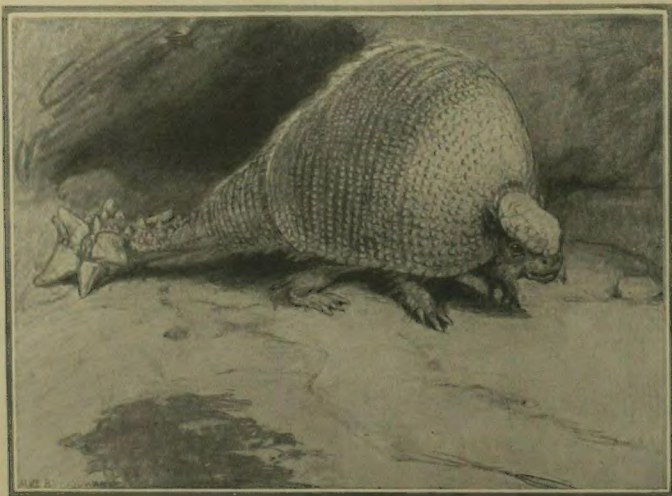
WHEN COAL WAS IN THE MAKING, AND MAN WAS NOT: CARBONIFEROUS AMPHIBIANS.

"The vegetation of the Coal-bearing Period . . . attained an extraordinary luxuriance. . . Amphibians . . . had been evolved. . . Some . . . with elongated heads, tapering snouts, and long tails, possessed fairly stout hind limbs. . . (*Keraterpeton*, *Lepteterpeton*). . . Besides these, some large amphibians were abroad with skulls a foot and more in length, and with jointed backbones completely ossified (*Loxomma*, *Anthracosaurus*). . . There were other forms that had lost their limbs (*Dolichosoma*). . . they may occasionally have found themselves between the labyrinthine teeth of the lords of the rivers and marshes."

From "Evolution in the Past," by H. R. Knipe.

series of plates illustrating the evolution of the elephant. These should help the timorous to understand the rather startling pictures depicting man's rise from the brute. Skilful as Mr. Knipe has proved himself to be, he owes much, as he himself tells us, to Miss Alice Woodward, who in her illustrations has materialised the essential points of this fascinating narrative. Mr. Ernest Bucknall delineates scenes in the ancient plant world. These, though few in number, are of singular beauty.

"Gem-Stones." The jeweller's art has of late received considerable stimulus from the dictates of fashion, which have prescribed the wearing of jewellery to a much greater extent than formerly. Its scope has also been widened by the coming into favour of hitherto unfamiliar stones, such as tourmaline, peridot, aquamarine, and others. No doubt the Coronation and Durbar pageantry, with its display of glittering regalia and historic heirlooms, did much to bring about this popular revival of jewellery, which has had also its literary products. In a recent issue, for instance, we noticed a little history of the Crown Jewellers—"The Story of Garrard's." Hence also, at a very seasonable moment, appears a handy work entitled, "Gem-Stones, and their Distinctive Characters" (Methuen), by Mr. G. F. Herbert Smith, of the Natural History Department of the British Museum. His aim has been to describe the physical characters of the mineral species used in jewellery, and the methods of identifying them. The book should be of great use and interest, not only to jewellers, but to possessors of jewellery, and to all concerned in the purchase and care of gems. Although much of it is naturally of a technical and scientific character, the author has kept in view the requirements of the general reader, who will find in it a great deal that is both instructive and interesting, as, for example, the chapter on historic diamonds, and that on the testing of imitation stones. The illustrations consist of several coloured plates and numerous photographs and diagrams.



ARMADILLO-LIFE OF THE LATER PLIOCENE EPOCH IN SOUTH AMERICA: DÆDICURUS.

"Dedicurus stands out as the most extraordinary of these [gigantic glyptodonts]. His length from nose to tail-end was about twelve feet. . . Elaborate armature was, no doubt, a much-needed protection to Dedicurus, for he was poorly endowed with brains, phlegmatic in temperament, and probably wholly lacking in courage."

From "Evolution in the Past," by Henry R. Knipe, F.L.S., illustrated by Alice B. Woodward and Ernest Bucknall. Reproduced by Courtesy of the Publishers, Messrs. Herbert and Daniel.

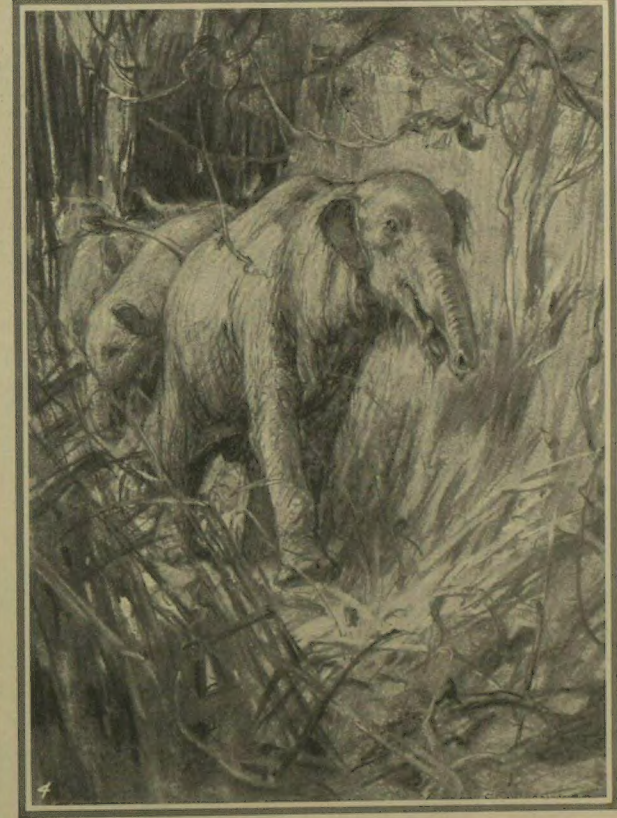
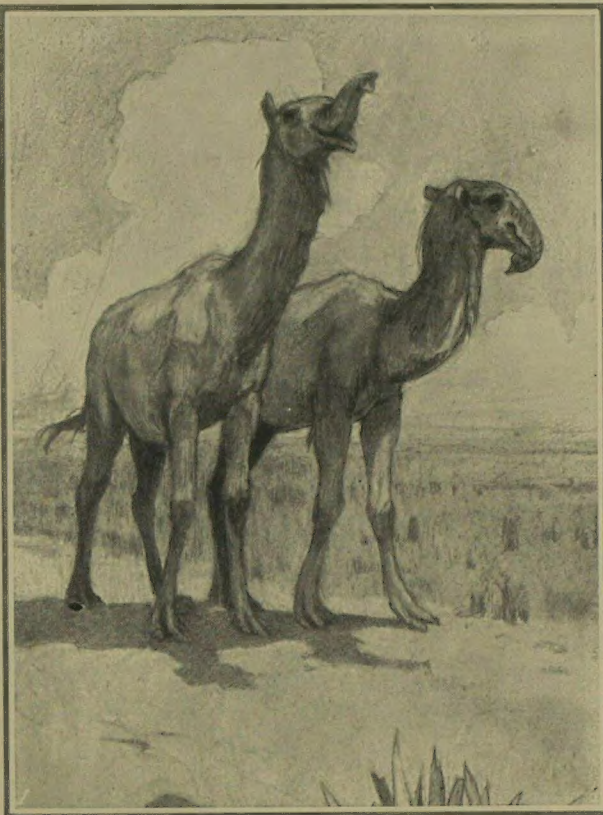


AN EARLY INHABITANT OF THE ISLE OF WIGHT: POLACANTHUS, OF THE CRETACEOUS PERIOD.

"This animal—standing between three and four feet in height—had the anterior half of its back protected by a double row of erect plates in Stegosaurian style. The rest of the dorsal armour consisted of a large shield. The tail bore ten pairs of bony spikes." Remains of this animal were found in Barnes Chine, Brixton, Isle of Wight. The skeleton was reconstructed by Baron Nopce.

DISPELLED BY A "COMFORTABLE WORD": NIGHTMARES OF THE PAST.

FROM ILLUSTRATIONS BY ALICE B. WOODWARD TO "EVOLUTION IN THE PAST," BY HENRY R. KNIPE; REPRODUCED BY COURTESY OF THE PUBLISHERS, MESSRS. HERBERT AND DANIEL



1. SUGGESTING A COMBINATION OF SEVERAL SPECIES; *MACRAUCHENIA*—A SOUTH AMERICAN ANIMAL OF THE PLEISTOCENE PERIOD.

3. A FORERUNNER OF THE ELEPHANT; *MOERITHERIUM*, OF MID-Eocene TIMES IN EGYPT.

Is noticing Mr. H. R. Knipe's most interesting book, "Evolution in the Past," our reviewer quotes Huxley's phrase, "that comfortable word, Evolution," as explaining pictures which at first sight look like a succession of nightmares. Of *Macrauchenia* Mr. Knipe says: "In bodily shape . . . it resembled a llama; its limbs . . . were suggestive of a giraffe; its head resembled . . . that of a horse; its proboscis that of a primitive elephant; its teeth, those of a rhinoceros." Of *Pteranodon* he writes: "In this Period [the Cretaceous] enormous

2. WITH A WING EXPANSE OF EIGHTEEN FEET; *PTERANODON*—A FLYING LIZARD FROM THE CRETACEOUS STRATA OF WESTERN KANSAS.

4. A LATER STAGE IN THE EVOLUTION OF THE ELEPHANT; *PALAEOMASTODON*.

were navigating the air. . . . Here was an animal with an expanse of wing of eighteen feet." The evolution of the elephant is particularly interesting. "From discoveries which he made in 1901 near Lake Moeris in the Bahari Desert (Egypt), Dr. Andrews has shown that in Mid-Eocene times (recently extinct) elephants were living in Africa (*Moeritherium*). . . . In later Eocene times they were living in Egypt; but other forms, probably derived from them, were on the scene (*Palaeomastodon*).

• Art • Music •

• & the Drama •

JAN VAN EYCK
• INVENTING •
OIL COLOUR
• & VARNISH •



TO MAKE HIS FIRST APPEAR-
ANCE IN LONDON ON APRIL 20,
AT THE QUEEN'S HALL: M. JOAN
MANÉN.

M. Manén has been called "The Wizard of the Violin," and it is anticipated that he will meet with a noteworthy measure of success on Saturday afternoon. He is a Spaniard.



VELASQUEZ
& PHILIP IV.
• BEFORE THE
ADMIRAL'S •
• PORTRAIT •

ART NOTES.

THE two pictures by Millet in the "International" at the Grafton Galleries are made the more conspicuous by the quick changes of recent painting. Millet's art stands rock-like among the eddies; his design has the look of permanence. That is one of the most satisfying attributes of pictorial art. Stability may be an essential of architecture and sculpture rather than of picture-making, but it has its value in all circumstances. The joke against the Philistines that they turned a Whistler upside down without knowing it has not failed to make them ridiculous, but the superior laugh should also be turned against such pictures as the Futurists', of which you must say, "This side up." It is quite conceivable that Milan may yet invent an axle to replace the old-fashioned easel. A revolving canvas might well reveal a new psychology. But it would be impossible to make Catherine-wheels of Millet. To turn his "Peasant Family" upside down would be like standing a cathedral on its finials. The group of the young father, the young mother, and the little child is severe



Photo. Ellis and Watery.

THE CONQUEST OF A CONFIRMED BACHELOR: MOLLIE BLAIR (MISS MARIE TEMPEST) AND KENNETH MAXWELL (MR. NORMAN TREVOR) IN "AT THE BARN" AT THE PRINCE OF WALES'S THEATRE.

lovely Monets, to the inner rooms filled with recent English work. The sanity of Gauguin's two landscapes will be a shock to many people who vaguely connect his name with distressing memories of the famous exhibition of Post-Impressionism. Of the English pictures one of the most important is Mr. Walter Greaves's full-length portrait of Miss Tinnie Greaves. It is one of the most complete and masterly of his works, and has a resolution of touch and tone that puts its painter high above the rank of an imitator.—E. M.

Photo. Ellis and Watery.

RIVALRY REVEALS THE BACHELOR TO HIMSELF: KENNETH MAXWELL ASKS LORD CLONBARRY (MR. W. GRAHAM BROWNE) HIS INTENTIONS REGARDING MOLLIE BLAIR, IN "AT THE BARN" AT THE PRINCE OF WALES'S THEATRE.

with the severity of rigid balance, and tender with the complete circuit of the human relationship. The child stands between its parents and links them with its arms—a theme made dangerous by a thousand insipid renderings. That Millet followed Greuze, and that the objectionable Léandre, represented here by a series of drawings, follows Millet, are proofs that French art has a range as wide as the mind of man.

With its headquarters in London, the "International" must rely upon British painters for the bulk of its work. This year the council has, perhaps, given too much power to a minority. The French pictures by deceased masters in the first gallery are overwhelmingly interesting. It is difficult to pass from the "Paysage" and "Paysage Bretagne" of Gauguin, from "The Sirens," and from



Photo. Ellis and Watery.

THE SIREN AND THE GOLFERS: MOLLIE BLAIR, WHEN TOLD IT IS TIME TO GO, SAYS SHE WILL STAY A FORTNIGHT "AT THE BARN," IN THE PLAY OF THAT NAME AT THE PRINCE OF WALES'S THEATRE.

Mollie Blair, a comedy actress, invades the rustic haunt of three golfing bachelors, much to their reluctance at first, but eventually she wins them over. From left to right in the photograph may be seen Mr. Ernest Mainwaring as William Lewis, Mr. W. Graham Browne as Lord Clonbarry, Mr. Norman Trevor as Kenneth Maxwell, Miss Marie Tempest as Mollie Blair, and Mr. Charles V. France as Austin Crane.

THE PLAYHOUSES.

"JELF'S." AT WYNDHAM'S.

OF all the newer stage-types which have become conventionalised by repetition there is none which seems such a favourite with playwrights and audiences alike as the clean, strong man who has been in the broad, open spaces of the earth and has brought back home some of the simplicity of unspoiled Nature. He figured as hero in "The Walls of Jericho" and "Smith"; he turns up again in Mr. Vachell's new comedy, "Jelf's," as the oddest and most quixotic of bankers. Once upon a time, Richard Jelf ranched in California, but returned to England to take control of one of the oldest of its private banks, and to fill its old-fashioned staff with concern and dismay over his unconventional modes of doing business. Such a hero must, of course, be thrown with a woman of the smartest set, sophisticated and half-blasée, and with a man who has all the vices and the elegances of townishness. Hence over against Jelf stands Fenella Mull, a girl who has engaged herself to Jelf, but given her affections to his rival and fellow-banker,



Photo. Ellis and Watery.

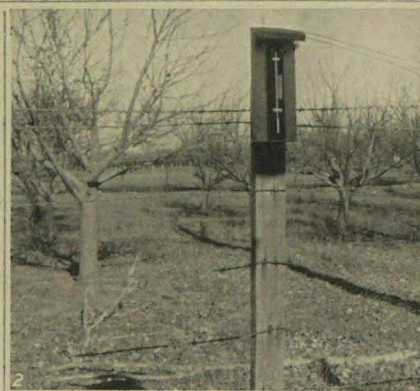
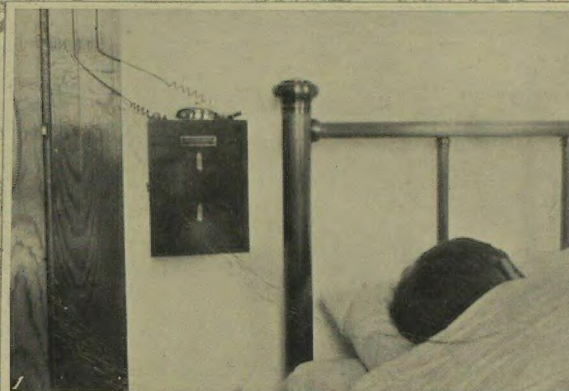
IN THE TOILS: KENNETH MAXWELL, WILLIAM LEWIS (MR. ERNEST MAINWARING), AND AUSTIN CRANE (MR. C. V. FRANCE). ALL IN LOVE WITH MOLLIE BLAIR, IN "AT THE BARN" AT THE PRINCE OF WALES'S THEATRE.

Palliser. In a quaint scene the two men expound to her their different ambitions and ideas of marriage. Palliser wants in a wife a "pal" who can help him to remain in his eclectic hunting set, and never seems to count on the possibility of children. Jelf dwells on the joys of parentage and family life. In the actual world Fenella would have married Palliser, and been unhappy. In Mr. Vachell's fantastic world, Jelf, the quixotic, risks a run on his own bank to save Palliser's from ruin, and in so doing conquers Fenella's heart. It is a mixture, you will see, of melodrama, comedy, and sentiment. There are witty lines, agreeable passages of humour, but Mr. Vachell's play is a mere fairy tale apart from the carefully studied character of Fenella, and in interpreting this fairy tale Mr. Gerald du Maurier, Miss Rosalie Toller, and Mr. C. Keightley act with all possible plausibility and charm.

(Other Playhouse Notes elsewhere.)

THE TIN-PAN TROPICS: FIRE DETHRONING JACK FROST, KING OF FRUIT.

FOUR PHOTOGRAPHS BY THE "TECHNICAL WORLD MAGAZINE": ONE BY TRANSATLANTIC CO.; ONE BY DEAN.



1. THE HOME END OF THE FROST ALARM: THE BELL, BY THE FRUIT-FARMER'S BEDSIDE, WHICH RINGS WHEN THE THERMOMETER IN THE ORCHARD DROPS TO THE DANGER MARK.
3. SCIENTIFIC ORCHARD-HEATING: COAL-HEATERS WHICH PRESERVED A CROP OF PEARS FROM A TEMPERATURE OF TWENTY DEGREES THE DAY AFTER THIS PHOTOGRAPH WAS TAKEN.
5. ORCHARD-HEATING IN THE UNITED STATES: REFILLING OIL-HEATERS FROM A TANK BY MEANS OF A HOSE.

2. THE ORCHARD END OF THE FROST ALARM: THE THERMOMETER WHICH, WHEN THE AIR BECOMES COLD ENOUGH TO BE DANGEROUS TO FRUIT, CAUSES A BELL TO RING IN THE FARMER'S BEDROOM.
4. FIFTY SQUARE MILES PROTECTED FROM THE FROST: "HEATING ALL OUT-OF-DOORS" IN THE GRAND RIVER VALLEY OF COLORADO.
6. LIT BY MEANS OF A MECHANICAL DEVICE: A THOUSAND-FOOT LINE OF HEATERS ALIGHT IN CALIFORNIA.

By courtesy of the "Technical World Magazine," we are able to reproduce these photographs illustrating orchard-heating, a subject we have dealt with extensively in this paper on other occasions. To quote the magazine in question: "Scientific orchard-heating has made it possible to raise the temperature of a 200-acre orchard ten to fifteen degrees with as much certainty as the janitor can heat the city man's flat . . . The little outdoor oil-stoves and coal-furnaces that have been sold by the millions to orchard-owners . . . have banished from the fruit-

grower that annual early spring nervous prostration from fear of frost . . . Nowadays he (the fruit-farmer) can go to bed with a feeling of security, leaving the frost-alarm thermometer to watch for him . . . a specially made thermometer, with a fine platinum wire fused into the mercury at the freezing point or at whatever is considered the danger point. As soon as the mercury sinks below this wire, the circuit is broken and the alarm at the head of the orchard boss's bed rings out its warning." (See Illustrations on "Science Jottings" Page.)

CHINA, THE REPUBLIC: THE PRESIDENT AND THE PRESIDENTIAL HOME.

PHOTOGRAPHS BY ILLUSTRATIONS BUREAU.



1. WHERE YUAN-SHI-KAI WAS FORMALLY INSTALLED PROVISIONAL PRESIDENT OF THE REPUBLIC OF CHINA: THE NEW WAI-WU-PU (FOREIGN OFFICE), PEKING, IN USE FOR THE TIME BEING AS THE PRESIDENTIAL RESIDENCE.

2. AT WORK WITH HIS SECRETARY: YUAN-SHI-KAI, PROVISIONAL PRESIDENT OF THE REPUBLIC OF CHINA.

It will be recalled that Yuan-Shi-Kai was formally installed Provisional President of the Republic of China on Sunday, March 10 last. The ceremony took place in the new Wai-wu-pu (Foreign Office) building, temporarily in use as the Presidential residence. The President, who wore general's uniform, took the oath of fidelity to the Republic in the grand reception-room, in the presence of many dignitaries, military, civil, and religious. After

he had heard a reply and had made answer to this, two Grand Lamas presented golden Buddhas, covered with the ceremonial cloth hats. This, and scarves, the President took and placed round the Lamas' necks, thus showing himself their sovereign. Ceremonial salutations from the dignitaries followed. On April 2 it was reported that the Nanking Assembly had agreed to the transfer of the Provisional Government to Peking.

*"Teach without noise of words—without confusion of opinions—without the arrogance of honour—without the assault of argument,"***MEDICAL PHILOSOPHY—WISDOM FOR THE SPRING**

The following, compiled from a Work of an eminent Pathologist.—Now our bodies are like houses in more than one respect, and it is usually found that although each house may be dusted out once a day, there is a regular cleaning up with extra sweeping once a week; and in addition to this there is a **SPRING CLEANING** of the whole house. Dinner Pills and stimulating diet are like the daily dusting, and while they may answer for some persons, others find that they require additional assistance, and if this be not given to them by means of a cholagogue purgative, they have unpleasant reminders by getting violent migraine with bilious vomiting, and generally they are obliged to fast for at least one day during the continuance of the headache.



G. B. Ciprani Fecit.

Engraved by F. Bartolozzi.

SPRING.

"The sweet-scented buds all around us are swelling, There are songs in the streams, there is Health in the gale."

All the functions of the nervous system at this **VERNAL SEASON** of the year have a period of maximum activity.

"A thorough house-cleaning of the alimentary canal, together with proper stimulation of the skin and kidneys, and an intelligent regulation of diet, are our most important measures in the treatment of the nervous system."—HUTCHINSON.

"All disease is the same in all parts of the body. Its cause, morbid humour, which obstructs the circulation of the blood and the electricity or motive power of the brain. Its source, Indigestion and Constipation, or the Putrefaction arising therefrom."—W. RUSSELL.

"Recent researches have led to the establishment of the fact, to the satisfaction of the medical profession of the whole civilised world, that the chief cause of the infirmities of old age as well as of a large proportion of the diseases of adult life, is the process known as 'Auto-Intoxication,' or self-poisoning.

"This poisoning of our own bodies is due to putrefaction taking place in the large intestine, which in turn is the result of decomposition of food material set up by germs, or microbes, which infest the bowel, and which flourish most where bowel cleanliness least obtains.

"The dual problem therefore of maintaining health and postponing the evils of old age resolves itself into the question as to how intestinal putrefaction may be averted, or prevented, or in other words, how the bowel may be kept clean."—CHARLES REINHARDT, M.D.

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MUSIC.

At Covent Garden to-night (April 20th) one of the longest seasons in the Grand Opera Syndicate's history will open with a performance of "Carmen" in Italian. On Monday, Puccini's "Tosca" is to be given with a new singer in the title rôle, and on Tuesday, the opening performance of the Wagner Cycle will claim attention. The season, supported by an exceptionally large subscription list, promises to be of more than usual interest, for at last the dreams of serious competition have materialised, and the London Opera House will on Monday night challenge the hegemony of Covent Garden. Mr. Hammerstein offers nothing that is new in the first week, and at the time of writing, "Romeo and Juliet," "Mignon," "La Favorita," and "Tales of Hoffmann," are set down for performance. The claim of the second and third upon the support of the public is not quite clear in 1912 A.D. The opera by Ambrose Thomas is hardly known in this country, though it has a tuneful gavotte that has travelled far beyond the opera-house; and "La Favorita" is

essentially old-fashioned and "high-falutin." Yet there is no time of the year when the old-fashioned operas that delighted our fathers or grandfathers are more likely to succeed than they are now, for people who are devoted to the old-style works are flocking to London from all points of the compass, and many have yet to discover a taste for advanced thought in music. There must be hundreds of leisured Americans who, remembering how Mr. Hammerstein acquitted himself at the Manhattan house in New York, will give him a share of their patronage at the Kingsway house, and America has some use for operas that London has discarded.

Whatever the result of the season, there can be no doubt but that the spirit of rivalry will lead to very strenuous performances at either house; and, though the chances are that Covent Garden will not feel the effect of competition, Mr. Hammerstein may be able to hold his own if he can fulfil his programme, and if he has enough work rehearsed to enable him to shelve works that have clearly survived their power of attracting audiences.

The general interest in grand opera tends to spread, for while the subscription at Covent Garden is one of the largest on record, the Kingsway house is said to have received nearly thirty thousand pounds in subscriptions already, and, though prices are higher than they were at the end of the winter season, they are fairly moderate, some orchestra stalls being offered for ten shillings and some grand circle seats for seven-and-sixpence. But, of course, it is the quality of the performance rather than the price of seats that must tell in the long run, and it will cause no surprise if certain seats are sold at a higher or a lower figure before the end of the season.

It is understood that Siegfried Wagner, son of Richard Wagner and grandson



Photo. Sport and General.

THE "ONE" THAT FOUGHT WITH "THE FIFTY-THREE": BUILDING A LIFE-SIZE MODEL OF SIR RICHARD GRENVILLE'S "REVENGE" IN "SHAKESPEARE'S ENGLAND" AT EARL'S COURT.

One of the features of "Shakespeare's England" at Earl's Court will be the model, in its actual size, of the little vessel which fought the famous fight immortalised in Tennyson's poem "The 'Revenge'—a Ballad of the Fleet." "The fight of the one and the fifty-three" against the galleons of Spain. The "Revenge" is represented lying in Plymouth Harbour, and is to be manned by railors singing Elizabethan chantes as they go about their work.

of Franz Liszt, will come to London in the first week of May, and will conduct at the Albert Hall a concert devoted in part to his father's work and in part to his own. Although Siegfried Wagner's work is hardly known in this country, he has composed six or seven operas, of which one at least, "Der Bärenhäuter," has achieved success on the Continent, and "Sehnsucht," one of his symphonic poems, has become popular. At the Albert Hall, Richard Wagner introduced some of the music of the "Ring" to English audiences, and now his son is seeking the suffrages of music-lovers in the same house. The occasion will have a distinct musical interest. Down to the present, Siegfried Wagner has been known to English music-lovers by his association with Bayreuth, where he did not shine at the conductor's desk.

Pablo Casals, probably the greatest living 'cellist, and a musician who has come very late into the favour of this country, will give one or more orchestral concerts in May.



Photo. Underwood and Underwood.

THE HYDRO-AEROPLANE BOUGHT BY THE ADMIRALTY: M. FISCHER, VICTOR IN THE RECENT CONTEST, WITH THREE PASSENGERS ON HIS FARMAN MACHINE AT MONACO.

In the recent hydro-aeroplane contest at Monaco the winner was M. Fischer, who on his Farman machine performed wonderful feats, starting from the shore, flying over the sea, coming down on the surface of the water, and rising 10 ft. He carried three passengers, one seated behind him, and the other two lying on the floats. The Farman machine which he used has been bought by the British Admiralty, who were represented at Monaco by Captain Godfrey Paine and Lieutenant Longmore.

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LADIES' PAGE.

THE title of Duchess of Sutherland has often been associated with personal distinction, and the bride of the heir to that great peerage has traditions to maintain of the double charm of beauty and intellect. The Duchess who was Queen Victoria's Mistress of the Robes and great friend, the Duchess who welcomed Garibaldi to England, and organised the Protest of the Women of Britain against Slavery, the earlier Duchess who was Countess of Sutherland in her own right, and *très grande dame*, have had a worthy successor in the present graceful *châtelaine* of Stafford House, which under her rule has been a centre of much and wise, philanthropic and social effort. It is hard indeed to realise that the still youthful Duchess of Sutherland can possibly have a son old enough to marry. She was herself married very young. The volume of travels that she published somewhere in the 'eighties, describing a tour that she and her husband made in the Colonies, was entitled, "How I Spent My Twentieth Year." It seems only the other day that one of the prettiest pictures to be met with occasionally in Society was the charming Duchess of Sutherland, a mere girl in appearance, accompanied by the flaxen-haired little boy, that same son of hers who is now a married man.

As etiquette requires the wedding reception to be given by the bride's parents, Stafford House was not used for this event, but the equally magnificent and spacious mansion of the Duke and Duchess of Westminster was lent to Lord and Lady Lanesborough, their own home not being large enough for the great circle of relatives and friends who were present. Lady Eileen Butler looked lovely in her wedding-gown of gold and silver brocade made *en Princesse* to display the large-patterned, handsome material. The train was lined with gold and silver gauze, with an embroidery of shamrock and orange-blossom just inside the edge. The corsage and sleeves were composed of beautiful old Honiton lace, a precious heirloom yellow with age, which the dressmaker cleverly contrived to make up and show to advantage without cutting into the valuable material, catching up the outer edges of the sleeves from shoulder to wrist with chains of small pearls fixed in their places under diamond shades. A veil of lovely old heirloom lace, lent by her grandmother, was worn with a wreath of orange-blossom, and gave further distinction to the toilette. A bevy of fourteen beautiful girls attended the bride, the little girl bridesmaids dressed in rose-pink chiffon with pale-blue waistbands, while, instead of hats, gold caps were worn, decorated with sprays of artificial flowers at the left side. The grown-up bridesmaids wore gowns of pink chiffon, the skirts trimmed with an edge of lace and pink tulle, and wore in addition *Directoire* coats of pale-blue tulle, with lace collars and large tulle-covered buttons, and bouquets of artificial flowers tucked into the coats. The head-dresses, specially designed by Lady Eileen Butler herself for the bridesmaids, were bands of blue chiffon



A TEA OR HOME DINNER GOWN, WITH LONG SLEEVES FASTENED WITH SILK LOOPS AND BUTTONS.

THE SMART HAT IS TRIMMED WITH A FEATHER MOUNT AND THE BRIM TURNED UP WITH DARK SILK.

velvet, ornamented at the left side with a tiny bunch of blue and pink buds securing an ostrich-feather. The church was beautifully decorated on a very lavish scale, with artistically arranged masses of white flowers, the bride and bridegroom standing under an arch of flowers.

Many distinguished guests were present, among whom were Princess Louise Duchess of Argyll, Prince Arthur of Connaught, Prince and Princess Alexander of Teck, and the Duke and Duchess of Teck, and so many of the invited guests accepted that every seat in the church was occupied. A detachment of the Coldstream Guards, Lord Lanesborough's regiment, formed a guard-of-honour at the church. After the ceremony and reception the bride and bridegroom left for Lilleshall, the Duke of Sutherland's Shropshire residence, intending later to go to Dunrobin Castle, Sutherlandshire.

The Duchess of Sutherland's half-sister, Lady Warwick, who has done in her time many unconventional things, has returned from a professional lecture tour in the United States, where she gave her recipe for continued youthfulness to the New York reporters. It is simple: "Burn your calendars and never note your birthdays." If you do not allow yourself to feel that you are ageing you will not look old or become old, Lady Warwick assured the American public. Alas! for how many women that easy course of snapping their fingers in old Father Time's face would end in a muddle of absurdity! It is all very well, however, for those women who really are gifted with long youth in looks, both in face and figure. No doubt the early Victorian women did "abdicate," as the French call it, much too early. A great service was done us all by Queen Alexandra's continued youth and charm as a grandmother; a good precedent was thereby set from which we need never slip back into over-early dowdiness and premature decrepitude. Yet even that is better, surely, more dignified and less dangerous, than too persistent youthfulness of feeling, conduct, and appearance, in useless defiance of inexorable Time.

Doubtless many of my readers will be thinking about spring cleaning, redecorating, and trying to make the house fresh and beautiful—and I would direct special attention at this season of the year to "Hall's Sanitary Washable Distemper," which rightly claims many advantages over the ordinary method of papering and painting. It is more cleanly, healthy, easily applied, economical, less costly and more durable than paint—in fact, there is no wall-covering equal to it, and, in addition, it is a powerful disinfectant and microbe-proof, which is surely an important factor in maintaining clean and healthy homes. Hall's Sanitary Washable Distemper has the advantage of setting hard and will neither crack nor scale off, one coat giving an even and solid colour. It is made in rich deep colours, as well as tints, and is sold in tins by druggists, drysalers, and oil and colourmen. A post-card to the sole proprietors, Sissons Brothers and Co., of Hull, will bring all particulars. FILOMENA.

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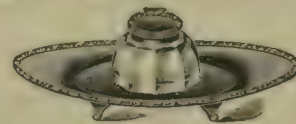
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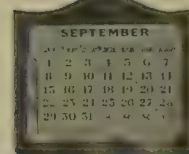
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It glorifies, beautifies and renovates the Hair.

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THE DEADLY ENEMIES OF YOUR HAIR!

ANY ONE OF THEM MAY BE SAPPING ITS STRENGTH TO-DAY WITHOUT YOU KNOWING IT.

TRY THIS WORLD-FAMOUS TOILET REMEDY THIS WEEK — GRATIS — AND KEEP YOUR HAIR HEALTHY AND LUXURIANT, FREE FROM BALDNESS, GREYNESS, AND HAIR-POVERTY.

Baldness, Greyness, or Hair-Poverty attacks thousands of men and women as a thief in the night.

Suddenly, without warning, without apparent reason, too, you look in the glass and find your hair rapidly losing its lustre, its colour, and even the healthy abundance of its growth.

You don't know the cause. But as you brush your hair, out it comes, sometimes literally in handfuls. Almost before you are aware of the danger Baldness, Greyness, Hair-Poverty is upon you, depriving you of your youthful appearance and causing you to look 5, 10, and even, in some cases, 15 years older than you really are.

THE INSIDIOUS NATURE OF HAIR TROUBLE.

It is this insidious nature of Hair Trouble that is the cause of so much Baldness and Greyness existing in this country.

Fortunately, as this article shows, help is at hand. There is a way of keeping your hair healthy, lustrous, and luxuriant, which you have an opportunity of adopting this week—free of charge.

This world-famous toilet-remedy defends your hair against its deadly hair-enemies, any one of which may be attacking your hair and sapping its strength to-day without you knowing it.

Down at the roots of your hair these stealthy foes may be at work, and the first indication of their presence will be finding your hair falling out with terrifying rapidity or losing its natural healthy colour and becoming streaked with grey.

WHY YOUR HAIR FALLS OUT.

One of the worst of these enemies is a kind of oily greasiness which overspreads your hair.

Under its deleterious influence the very fibre of your hair rots away. Its strength is slowly but surely sapped. Finally, if not aided (as you can aid it now, without cost to yourself), your hair gives up the struggle in despair and falls out.

The second of these hair-enemies is the very opposite of the first. In this instance your hair becomes dry, harsh and brittle. It splits at the ends. (This is specially noticeable with ladies' hair.) It becomes full of knots and tangles.

In advanced cases you cannot rub your hair with a towel (after washing it) without breaking off twenty or thirty hairs. Even the act of coiling or plaiting your hair, or the thrust of hairpins, or the dragging action of your hat, causes many hairs to break off.

DISORDERS THAT ATTACK THE HAIR-FOLLICLES.

A third cause of Baldness and Hair-Poverty is the relaxing of the tiny follicles (sheaths in the skin in which the hair grows). The hair is loosened from its roots and the slightest dragging of brush or comb will bring numbers of hairs falling down upon your dressing-table. Often you will wake up in the morning and find 3 or 4 hairs upon your pillow—they having fallen out during the night.

In the fourth cause of Hair-Poverty we have another "opposite." This is when the hair-follicles, instead of becoming relaxed, become tight and constricted, pressing hard upon the hair-roots, squeezing the strength out of the hair, causing it to lose its lustre, gloss and colour, turning it grey or white, and sometimes even strangling the hair to death. If somebody gripped you by the throat and gradually tightened his grasp, you



Thousands of ladies are daily poisoning their hair by the use of metal combs, hairpins, curlers, &c., and Mr. Edwards, the renowned hair specialist and inventor of the now famous Harlene Hair-Drill method of scientific hair-culture, issues a grave word of warning to all who are ruining their hair in the manner described. As a means of counteracting the evil effects of the various metal contrivances used in the process of hair-dressing, he offers a free trial outfit, sufficient for carrying out a week's course of Harlene Hair-Drill.

would feel your strength ebbing away from you until unconsciousness supervened. The hair feels just like this when it is gripped and strangled by the tightening hair-follicles. No wonder it becomes weak! No wonder it falls out! Help your hair before too late by accepting the opportunity offered to-day.

THE FRUITFUL PARENT OF A SCORE OF HAIR AILMENTS.

A fifth enemy of the hair's health is the formation on the scalp of deposits of scurf and dandruff—fruitful parents of a score of hair-disorders.

Scurf sometimes sets up an intolerable itching of the scalp. It presses down upon the hair-roots, causing the hair to become stunted and distorted. It cuts off the natural supply of colour to the hair, and thus renders it grey, white, lustreless, and dead-looking. It robs your hair of strength, health and

luxuriance, and finally, when not dissolved (as you can now dissolve it), causes baldness, either all over the head or in conspicuous patches.

Fortunately, however, there is one famous remedy which banishes all five of these hair ill-conditions and keeps the hair permanently abundant, glossy, rich in colour, strength and lustre.

This remedy you can now try free of charge.

The discoverer of this wonder-working Health Aid for your hair is Mr. Edwards, the world-renowned specialist on the Hair.

He has discovered, after many years' experience, a Toilet-Method which, practised for two minutes every day, banishes all the above hair-disorders and weaknesses, and keeps your hair healthy, attractive and luxuriant.

The name of this method is Harlene "Hair-Drill," and it is followed daily by thousands of the most beautiful women and best-groomed, smartest men in the world, from Royalty downwards. It is equally valuable for children's hair, keeping it luxuriant, bright, and free from fluff, dust and scurf. Every mother should use it on her children's hair, as well as on her own.

Mr. Edwards now offers to send you a complete Toilet-Outfit for practising Harlene Hair-Drill for seven days, free of all charge.

GENEROUS TRIPLE - ACTING GIFT FOR READERS.

This Trial Outfit includes the following valuable free gifts for your Toilet-table.

1. A trial bottle of the famous hair stimulant, restorer, grower, and tonic-dressing, "Edwards' Harlene."
2. A trial packet of the exquisitely delicate "Cremex" Shampoo Powder for cleansing the scalp, dissolving Scurf and Dandruff, endowing your hair with a new gloss and lustre, and prepares the hair for the Hair-Drill Treatment.
3. A presentation copy of the "Harlene Hair-Drill" Book of Rules, with directions for making your hair perfect in colour and luxuriance of growth by means of 2-minutes daily Hair-Drill.

To obtain this generous triple toilet gift for your hair use the coupon printed below.

Fill it up and post (with 3d. in stamps to pay the return carriage) to the Edwards' Harlene Co., 95-96, High Holborn, London, W.C.

By return the complete Outfit will be sent as a Free Gift to test the hair-growing value of "Harlene Hair-Drill" for a week at the discoverer's expense.

To continue the treatment after the week costs very little. For 1s. you can get a bottle of Harlene for the Hair from any chemist or stores (or post free from the Harlene Headquarters) of exactly the same quality as used by Royalty to keep their hair in luxuriant and healthy condition. Larger bottles can be obtained in the same way for 2s. 6d. and 4s. 6d. "Cremex," 1s. per box of 7 shampoos—single shampoos 2d. each.

But first try what 7 days' Hair-Drill does for your hair—free. Use this Coupon. It brings you as a Free Gift everything required for keeping your hair luxuriant, lustrous, and perfectly healthy.

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Dear Sir—Please send me by return of this coupon the complete Toilet Outfit for growing healthy, luxuriant hair and guarding it against all attacks of Baldness, Greyness or Hair-Poverty.
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Please send 1/- in stamps to pay the return carriage of the Outfit, and enclose 3d. in stamps to pay the postage of this coupon.
Yours faithfully,
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LITERATURE.

Old Masters at the Grafton Galleries in 1911. To those upon whom any catalogue, whether of second-hand books or of bulbs, puts a certain fascination, the sumptuous volume, "An Exhibition of Old Masters at the Grafton Galleries, 1911" (Lee Warner), edited by Mr. Roger Fry and Mr. Maurice Brockwell, will

at the hands of the omniscient Mr. Brockwell. To that nebulous list, containing great and numerous names, it is said that any forlorn old picture may be safely traced. "Fesch Collection" has become a commonplace in pedigrees supplied to American buyers, and is found on many a "Mary Magdalen," and "St. Sebastian" that have no claim upon the absolution of the collecting Cardinal. This volume, needless to say, has all that modern scholarship can give it. Mr. Brockwell's eye it is that has discovered ten thousand errors in the National Gallery catalogue: the proofs of his own essay in the perilous art have, needless to say, been diligently read. He gives no handle to anxious friends in Trafalgar Square. Print, paper, and plates are excellent; all the delightful pictures, including those of the bewildered Hylas and the most innocent of Psyches, may be here reviewed. The only work which is much missed is that of monks by Monaco, now offered to the National Gallery by its owner.

"The Art of Herbert Schmalz." The story of success swells Mr. Trevor Blakemore's "The Art of Herbert Schmalz" (George Allen) into a vasty volume which is itself a culminating triumph. Apparently Picasso and his kind have left this reputation untouched; here, says Mr. Blakemore, is the true democrat among painters, not because he paints democratic subjects, but because his subjects, and his touch, are acceptable to the



Photo, Dranger.

DESIGNED BY M. GEORGES SCOTT, THE NEW UNIFORM FOR A FRENCH CAVALRY TRUMPETER.

This new uniform adopted in the French army for cavalry trumpeters is of particular interest from the fact that it was designed by the well-known French military artist, M. Georges Scott.

appeal merely as a catalogue. It is the best sort of memorial, too, of a visit to a splendid collection for those who either lost, or borrowed and returned, the little unpictured pamphlet in brown-paper covers that served one's turn round the Galleries. The only thing that renders it less interesting than the literature issued by bookseller or bulb-merchant is the lack of prices. In cases where the name and date of a sale are given, and where the susceptibilities of owner or purchaser are not involved, it would have been wise to add an important clue in the history of the appreciation of a work of art—the range of its values through the generations. An allusion to the catalogue of the sale of the Fesch Collection, for instance, needs annotation



Photo, Sport and General.

BEQUEATHED BY THE LATE MR. EDWIN ABBEY AS A RESIDENCE FOR THE P.R.A., ABBEY HOUSE (FORMERLY CHELSEA LODGE).

The late Mr. Edwin Abbey, R.A., bequeathed his London house, Chelsea Lodge, to the members of the Royal Academy as a residence for the President. It is to be called Abbey House, and the bronze bust of Mr. Abbey by Onslow Ford, his portrait of his wife, and other works, are to be placed in it.



Photo, Dranger.

THE WORK OF A FAMOUS MILITARY ARTIST, THE NEW FRENCH CAVALRY TRUMPETER'S UNIFORM DESIGNED BY M. GEORGES SCOTT.

(Continued.)

—Our readers have had many opportunities of seeing examples of his work in the pages of "The Illustrated London News."

democracy. Let him paint nothing but lords and ladies; if they be pleasing to the people, he is for the people. Mr. Blakemore makes this claim in the face of the Bishops and of princes of commerce and royal houses. They, too, have paid homage to the painter of "The Great Awakening," a picture reproduced in this volume in colours, with an "Interpretation" by Ian MacLaren. The Chief Rabbi and Dean Farrar, Dr. Parker and the Bishop of Jerusalem, have joined hands and hearts before the easel of Addison Road. "You are a great preacher," came from the preacher of the City Temple; and, continues Mr. Blakemore, "from the principal members of the Reigning House, who have commanded or viewed most of his important

(Continued overleaf.)

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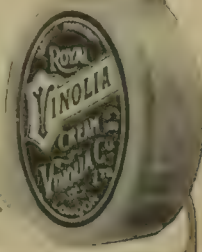
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pictures, the general appreciation has extended to all classes. That this is no fiction is proved by the following—"the story of a Coventry labourer who subscribes for engravings after Herbert Schmalz. These things are set down with the greater care because he is not a painter's or a critics' painter. He has not been honoured by the Academy, and in an age abused by Mr. Frederic Harrison for its glorification of ugliness, he has been passed by. As an artist who has never churlishly turned his eye from prettiness, he deserves to count Mr. Harrison among his distinguished supporters. The volume is most handsomely produced, and the illustrations have the sumptuous look that is one of the marks of Mr. Schmalz's style.

"The Power of the Dog."

The publishers, if not the lady, must have hesitated before a final passing of the title of "The Power of the Dog" (Hodder and Stoughton), a volume containing twenty plates in colour by Miss Maud Earl and letterpress by Mr. A. Croxton Smith. The power of Miss Earl is what leaps to the eye even before one is wholly aware of her work in detail. Her dogs leap, too; they do such things as are required of their kind. They are animals easily known; familiar studies of twenty types. When we say familiar we do not place them in the category of cats by Steinlen; Miss Earl's powers have polite limits. But her portraits are first-rate work-a-day likenesses. Even a somewhat villainous-looking terrier is "the property of" a gentleman; and the dog with a domestic fowl slain at its feet is no shady character of fiction, but has, like the rest, a name and an address. The letterpress is pleasantly conceived, and flavoured with quotations from the sturdier English of Turberville and such elder authorities upon past generations of the unchanging dog. For the dog changes little; the breeder is busy, but busy, as a rule, in preserving characteristics that for centuries have won favour. Our author falls back on such opinions as that "it is perfectly true that breeding is as apparent in a dog as it is in a horse or a man. There is an undefinable something that betokens class." As the dog unearths his bone in time of need, so must a writer dig up the ancient saws of his time-worn theme. We ourselves must retire with a truism—that the book will appeal to all the friends of dogs.

Bergson on Laughter.

Every man is interested in psychology, and is to some extent a psychologist, for he carries about the data of the science within his own brain. This doubtless explains the popular following attracted by a philosopher with a winning manner of exposition, such as M. Henri Bergson, the Parisian professor whose lectures at University College made such a widespread appeal, not only to students and thinkers, but also among the butterflies of London Society. For this reason, too, there will doubtless be a large public for the English version of his book on "Laughter" (Macmillan), excellently translated by Mr. Clouesley Brereton and Mr. Fred Rothwell. The book should be especially interesting and useful to all who have occasion to make a professional use of humour, such as playwrights, novelists, caricaturists, comedians, and raconteurs. The subject of laughter, that mysterious faculty which



Photo, Record Press.

THE GREAT FLOWER FÊTE AT GEZIREH, NEAR CAIRO:
A NOTABLE CAR.



Photo, Record Press.

AN EVENT OF THE CAIRO SEASON: A CAR IN THE FLOWER FÊTE AT GEZIREH.

The great Flower Fête held on a recent Sunday at Gezireh proved one of the most attractive events of the Cairo season, numerous visitors taking part in it. Flowers were specially imported in great quantities from the Riviera, several millionaires spending large sums of money on organising the affair. There was a procession of beautifully decorated cars, and many of those taking part were in fancy costumes.

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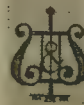
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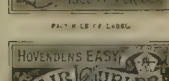
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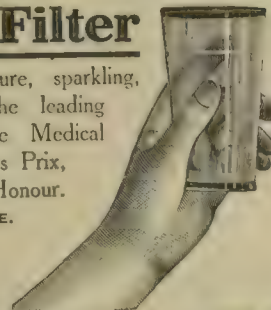
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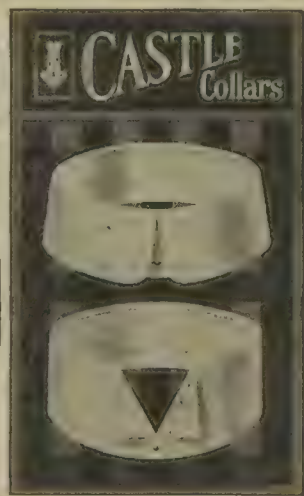
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WILLS AND BEQUESTS.

THE will (dated June 26, 1908) of LORD LISTER, of 12, Park Crescent, N.W., who died on Feb. 10, is proved by Rickman J. Godlee, Theodore Godlee, and Arthur Hugh Lister, nephews, the value of the property being £66,166. The testator gives £20,000 to the Lister Institute of Preventive Medicine; £10,000 each to the Royal Society, King Edward's Hospital Fund, King's College Hospital, and the North London and University College Hospital, "and I do not wish my name should be in any way associated with these sums in the future"; his scientific MSS. and sketches, when arranged, to the Royal College of Surgeons; his Order of Merit, all medals, decorations and presentations to the University of Edinburgh, and "I expressly declare that it is my intention that the University authorities shall be perfectly at liberty to dispose of all or any part of the gift—for example, by having the medals melted down or the diplomas or other writings destroyed—at any time, and in any manner that may seem to them desirable"; an annuity of £400 to his sister-in-law Lucy Maria Syme; £1500 each to Rickman

legacies to servants; and the residue to his nephews and nieces.

The will (dated Dec. 16, 1911) of BARON WILLIAM HENRY VON SCHRÖDER, of The Rookery, Nantwich, Chester, who died on Jan. 11, has been proved by William Henry von Schröder, son, and Baron Bruno von Schröder and Frank Cyril Tiarks, nephews, the value of the real and personal estate in the United Kingdom being £673,651. He gives £1000, £5000 a year, his horses, carriages, and motor-cars, and the use of his residence, to his wife; £50,000 in trust for his daughter Irma Harriet Pilkington; £20,000 to follow the trusts of the marriage settlement of his son; a house in Hamburg to Baron Bruno von Schröder; and legacies and annuities to servants. The residue of the property is to be held in trust for his son and his wife and family.

The will (dated Jan. 2, 1911) of MR. HENRY DU PRÉ LABOUCHERE, of the Villa Christina, Montughi, Florence, and the Reform Club, Pall Mall, who died on Jan. 15, is proved by the Rt. Hon. R. McKenna, the Home Secretary, and Thomas Hart-Davies, the value of the estate amounting to £522,306. The testator gives his property in Tus-

cany, £2000 and the furniture, etc., to his daughter Dora Marquesa di Rudini; £10,000 each to his nephews, John and Max Labouchere; £10,000 to his niece Violet Matthews; £1000 to his friend Sir George Lewis; £1500 to his daughter for servants; and £1000 and £100 a year each to the executors. The residue of the property he leaves in trust for his daughter for life, with power of appointment over £50,000, and then for her children, and on failure of issue as to one-half for his nephew John, and one-half for his nephew Max and niece Violet.

The will and five codicils of SIR JOSEPH DALTON HOOKER, G.C.S.I., O.M., of The Camp, Sunningdale, Windlesham, who died on Dec. 10, are proved by his widow, his sons, William Henslow Hooker and Charles Paget Hooker, and his son-in-law, Sir William T. Thistelton-Dyer, the value of the property being £36,861 5s. 1d. After appointing settlement funds to his children, he gives £200 to his wife; £250 to his daughter Harriet Ann; £2000 in trust

for his son Richard; £1750 to his daughter Grace Ellen; £1000 to his son Bryan; £100 and, on the decease of his wife, his orders and medals, to the Linnean Society; £100 to the Scientific Relief Fund of the Royal Society; and the residue in trust for his wife for life, and then for his children, William Henslow, Charles Paget, Grace Ellen, Reginald Hawthorne, Harriet Ann, and Bryan.

"Nisbet's Golf Year-Book" is now on sale in the new edition for 1912, and is as indispensable as ever to the golfing community. As before, it is edited by Mr. John L. Low, and the usual features of the volume have been retained and brought up to date. They include, of course, the club directory and the "Who's Who" lists of amateurs and professionals, the customary maps, and particulars of the chief golf events of the past year. A survey of "Golf of the Year," by Mr. Ernest Lehmann, prefaces the volume.

"Who's Who in the Theatre" (Pitman) is the title of an excellent book of reference to the contemporary stage, compiled and edited by Mr. John Parker, editor of "The Green-Room Book," of which the new volume is an amplification. It gives a biographical directory of actors and actresses, managers, dramatists, composers, critics, scenic artists, historians and biographers; also lists of plays and theatres, both in this country and in New York, Paris and Berlin; a theatrical and musical obituary, and seating plans of the principal West End theatres



IDEAL INMATES OF THE IDEAL HOME: VIROL BABIES OF ALL NATIONS AT OLYMPIA. The Directors of Virol, Ltd., makers of the well-known food for children, invited a hundred babies, of all nationalities, to be their guests in London for three weeks during the Ideal Home Exhibition at Olympia, where they are to be seen in a specially designed Indian house and courtyard. They represent the many countries in which Virol is known and appreciated. The children in our photograph are Greek, Portuguese, West Indian, Chinese, Japanese, Mauritanian and Javan.

J. Godlee and Arthur H. Lister; £500 to Joseph Lister Cheyne; an annuity of £100 to the Rev. R. S. Oldham;

appointing settlement funds to his children, he gives £200 to his wife; £250 to his daughter Harriet Ann; £2000 in trust



MAKING BUTTER AT HOME FROM BUTTER AND MILK: WORKING THE LISTER BUTTER-BLENDER.

Whereas it is bread that makes the butter fly, the Lister Butter-Blender makes it last, or rather increases it. By mixing 1½ lb. of butter, costing 2s., with rather more than a pint of milk, costing 2½d., it produces 3 lb. of butter. The saving is obvious. The machine, which costs 12s. 6d., is simple and hygienic. It is made by The Ideal Home Butter-Blending Machine Co., General Buildings, Aldwych.

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ALL these are constantly working at top pressure and bringing considerable strain to bear on either their mental or physical faculties and in many cases, both. To keep the machine at concert pitch it must frequently be tuned up, and nothing has so invigorating and bracing an effect on the system as an

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which soothes tired and stiff limbs, eases aching muscles, and generally revives the weary body. Taken at the end of a day it is the best tonic anyone can have, as it invigorates, soothes and refreshes without interference of any sort with the internal functions.

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NEW
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TILL
YOU HAVE
TRIED IT.

DEAFNESS is a most stubborn trouble, and many inventions for its relief have been put on the market, which have quite failed to touch 99 cases out of 100. If you have tried all the so-called cures you have ever heard of, don't despair, for it is in such cases that the "AURIPHONE" has been most successful. Don't rest another day, but come along to Walter House, 418, 422, Strand, W.C., where we give FREE DEMONSTRATIONS to all sufferers. If you are not in London, write us at once, and we will arrange a TRIAL at your home.

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is just a small sound-magnifying instrument, weighing but a few ounces. Small enough to fit into the pocket, and very inconspicuous. It may be held to the ear either by a telescopic handle or by a headband without the least discomfort.

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Crisp, flaky and piquant, they make
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Order of your Grocer thus: "Shilling Tin, Peek Frean's Savoury Biscuits."

PEEK FREAN'S

SAVOURY
BISCUITS

THE CHRONICLE OF THE CAR.

Auxiliary Systems of Car-Suspension. In all the history of the development of the motor-car, I do not think that anything more remarkable has been witnessed than the sudden bound into popularity of the many systems of auxiliary suspension, known generically as shock-absorbers. Twelve months ago the car fitted with such a device was by way of a curiosity; now their fitting is well-nigh universal, and no really well-appointed car is complete without something of the sort to check the rebound of the ordinary laminated springs which form the main suspension. To a great extent, I believe, the fashion has been set by the Daimler Company, who have made a feature of coil-spring shock-absorbers on all their cars since, if my memory serves me aright, they adopted the Knight engine. The extra comfort of the car so fitted, especially over rough roads at high speed, has set others thinking, and though the trend of development has not been towards the fitting of shock-absorbing devices as part of the standard equipment of the car, it has resulted in the production of several very excellent inventions ministering to the greater luxury of the motorist and his vehicle. Personally, I think that a shock-absorber of some

type or other should be a part of the car as supplied by the manufacturer, and that it will have to come to that before long. The ordinary semi or three-quarter elliptical springs of commerce, while perfectly satisfactory as a

satisfactory in their effect, and it is very difficult to differentiate between them. Therefore, it is quite impossible to say that either single principle or the combination thereof is outstandingly better than its competitors, and the best advice I can give to the motorist who contemplates fitting his car with a shock-absorbing device of some sort is to keep within the known and proved makes, and then consult his personal inclination. For my own part, I have a decided bias in one direction, but it would not be fair to say precisely which of the principles I favour, for the reason that I conscientiously believe that there is really nothing in it but personal predilection. With this note of explanation, I will pass on to the description of a few of the better-known devices.



ONE OF THE "INVINCIBLES"—A 25-H.P. TALBOT LIMOUSINE LANDAULETTE.

The "Premier" and A unique and extremely effective form of suspension is the "Lever Spring," which is different entirely from any other such device, and consists essentially of levers, controlled by powerful coil springs, attached to the dumb-irons, or to the upper half of three-quarter elliptic springs. The effect of these spring-controlled levers is to damp the move-



FROM DUBLIN TO CORK AND BACK EVERY DAY FOR A WEEK BY MOTOR-CYCLE MR. J. HEALY LEAVING CORK ON HIS RUDGE MACHINE.

Rudge motor-bicycles have recently been much to the fore in races and tests. Mr. J. Healy, of the Dublin Motor-Cycle Club, on his Rudge multi-speed motor-bicycle, recently rode from Dublin to Cork and back every day for a week, starting at 5 a.m., and returning by 9 p.m. of the same day—a daily distance of 320 miles. For the first three days much of the ride was done in heavy rain. The engine was sealed by the Dublin M.C.C. before the start, and, save for a little attention to the belt, no adjustment was required during the whole 1920 miles. Our photograph was taken on the fifth day.

means of suspension on smooth roads and at relatively low speeds, are, at their best, wanting under more severe circumstances; and I conceive that the maker of the car has no right to expect the purchaser to spend money over and above what he pays for the car to make it reasonably comfortable in its running. But the fact remains that, except in a small minority of cases, the motorist must look to himself for the fitting of what is really an essential detail if he wants—as we all do—to obtain the maximum of comfort from his car. This being so, we may profitably turn to the examination of a few of the better-known and tried devices of the shock-damping character now being offered to the motoring public.

Shock-Absorbers and Their Principles.

Shock-absorbing devices may be roughly classified under three heads: those which rely for their damping effect on springs of the helical type; hydraulic dampers; and those which embody the two principles of springs and fluid. Speaking generally, it may be said that the best of each type are perfectly

Shock-absorbing devices may be roughly classified under three heads: those which rely for their damping effect on springs of the helical type; hydraulic dampers; and those which embody the two principles of springs and fluid. Speaking generally, it may be said that the best of each type are perfectly



Photo Archer.

AS SUPPLIED TO THE GOVERNMENT FOR THE USE OF THE WAR OFFICE: A TWO-SEATED BRASIER CAR.

ment of the suspension springs by absorbing a certain amount of energy in coiling up the check-springs and in releasing them when their purpose has been accomplished. It is a simple and extremely effective system and has obtained a great deal of vogue at Brooklands, where the

(Continued overleaf.)

DURATION OF SERVICE

must always be considered together with initial cost in reckoning up tyre expenditure. When this is done it is clearly demonstrated that

DUNLOP TYRES

DO REDUCE THE COST OF MOTOR TOURING

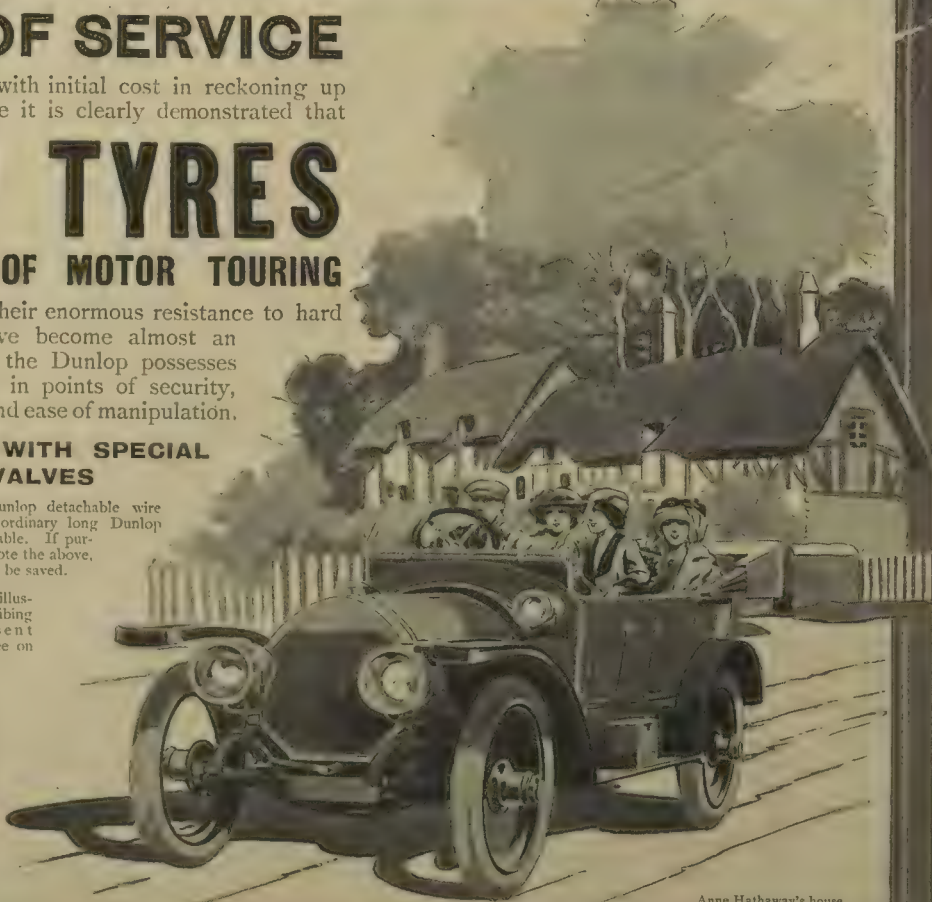
and reduce it materially because of their enormous resistance to hard wear. Detachable wire wheels have become almost an essential to the motor tourist, and the Dunlop possesses many advantages over other wheels in points of security, simplicity, resilience and ease of manipulation.

TUBES FITTED WITH SPECIAL SHORT VALVES

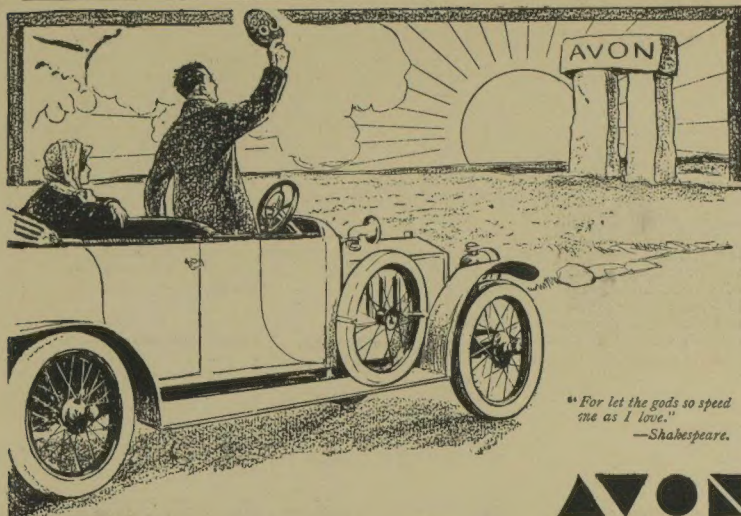
are made for use with Dunlop detachable wire wheels. The tubes with ordinary long Dunlop valves are not suitable. If purchasers will kindly note the above, needless trouble will be saved.

Booklet, fully illustrating and describing the mechanism, sent gratis and post free on application.

The Dunlop Tyre Co., Ltd., Aston Cross, Birmingham; and 14, Regent St., London, S.W. Paris: 4, Rue du Colonel Moll; Berlin: S.W., 13, Alexandrinenstrasse, 110.



Anne Hathaway's house



It is a mistake, maybe a fatal one, to invoke the god of speed, if your tyres are unworthy. In the manufacture of

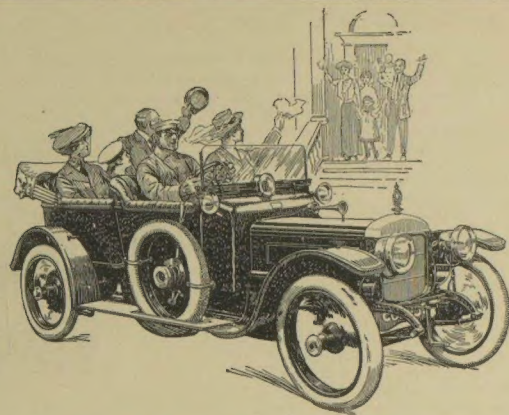
AVON TYRES

there are no tricks at the buyer's expense, and AVON TYRES therefore play no tricks on the road. AVON TYRES—the safest British investment.



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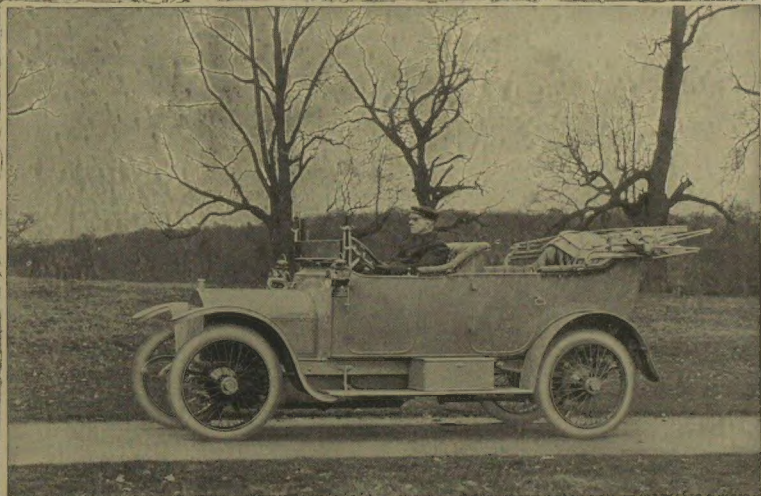
The reputation of the Daimler dates back to the earliest days of motoring. It has always been known as "the car that gets you there." A reputation like this is only obtained by *consistent excellence*; by *always* using the best material in construction, the most up-to-date machinery, and the finest mechanics the country can produce.

Before the introduction of the sleeve-valve engine Daimlers had already earned for themselves a niche in the Temple of Fame; now, four years later, owing to the world-wide success of this marvellous motor, the Daimler is more than ever noted for its reliability, its greatly increased efficiency, and last, but not least, its huge list of *satisfied owners*.

If you are interested in the history of the new Daimler Motor, what it has done, and what it can do, write to Coventry for a parcel of explanatory literature.

Daimler
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The Wolseley 'Twelve-Sixteen'

is a High-Grade Car in Miniature. Refined in design and robust in construction, it runs with that silent smoothness, and possesses those admirable wearing qualities, for which the Wolseley models are so deservedly famous.

It can be fitted with either a two or a four-seater body, and its flexibility and ease of control render it an admirable car for the owner-driver.

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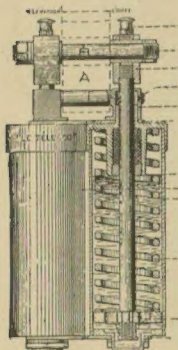
(Proprietors: VICKERS, LIMITED.)

(Continued.)

necessity of some spring-damping device is very marked. The only thing against it is that it is somewhat expensive to fit. The Lever Spring Company are responsible for the introduction of another type of shock-absorber, of what I may call more conventional type—the "Premier." This consists of two helical springs of square section, supported by bolts which pass through the attachment piece, which is in turn attached to the dumb-iron or upper half of the main spring. The absorber-springs are not encased, are easy of adjustment, and combine great sensitiveness with absolute lateral rigidity. It is, I think, one of the best of its kind.

The Gabriel "Snubber."

This device stands in a class by itself. It works on the principle that in order to secure comfortable travelling it is not necessary to check the compression of the main springs but only to "snub" their rebound. There is a great deal to be said for this theory, and I can answer for it that the Gabriel does achieve what is claimed for it. The device itself, which is illustrated, consists of a strap, one end of which is attached to the axle, while the other is coiled about

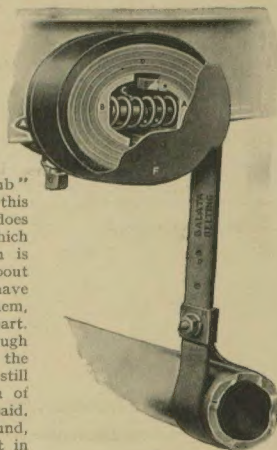


THE "TELESCO" SHOCK-ABSORBER.

As noted on this page, this absorber combines the principles of helical springs and hydraulic buffers. The piston, which can be seen at the bottom of the cylinder shown in section, is fitted with non-return valves which allow oil to pass freely on the upward movement, but close when the piston commences its return, and thereby produce a soft cushioning effect.

The "Telesco." This is a very interesting device, combining as it does the ordinary double helical spring shock-absorber with hydraulic buffers. Essentially it consists of a vertical cylinder or pair of cylinders, three-quarters full of oil or other liquid, and enclosing a piston pressed downwards by a powerful helical spring. When a shock is encountered, raising the piston and compressing the spring, the liquid passes freely through the piston, but when the spring expands, forcing the

piston downwards, a valve closes, preventing the return of the liquid except by way of two or three small holes in the piston, which act after the manner of relief valves. In effect, therefore, as the main suspension springs are compressed under road shocks, there is no resistance to the rising of the "Telesco" piston, excepting that of its spring. Now, it is obvious that the energy absorbed in compressing the spring will be expended much more rapidly in decompressing than it was originally taken up, unless some checking influence is exerted to prevent the sudden rebound. This, of course, is where the hydraulic buffer comes in and minimises the shock of the return. The principle is exactly the same as that employed in the hydraulic resistance cylinders which are used to take up the recoil of heavy guns. To my mind, this "Telesco" device is quite one of the best there is. There are many other makes of shock-absorbers, but as they differ only in detail from those I have endeavoured to describe, there is no particular object to be gained from going more fully into their construction and method of application. There are still surviving certain of the older types of such devices which employ a system of levers



THE "GABRIEL" REBOUND-SNUBBER.

This is a very effective shock-absorbing device which hails from America. The principle on which it works can be very clearly grasped from the illustration, taken in conjunction with the explanation given in the paragraph relating to this contrivance.

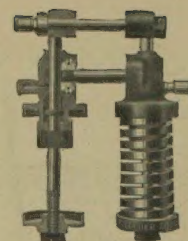
frame and depend for taking up the shock of rebound on expanding brakes, or some such contrivance, but they are usually expensive and mostly ineffective compared with the later types, so there is no need to do more than simply mention the fact that they are still made. The only device of the sort that is, I think, worth considering is the "Triou," which is purely hydraulic in its action. This is quite an excellent absorber and has found much favour in French racing circles. Needless to say, the device of the kind which succeeds under the stress of road racing will be found perfectly satisfactory in touring use.

W. WHITTALL.

At a Court of Directors of the Royal Exchange Assurance, held recently, the directors decided to recommend

the General Court to declare a further dividend of 6 per cent., free of income tax, making 10 per cent. for the year 1911

Preparations are proceeding apace at Bad Nauheim to make the reception of the Empress, whose visit is shortly expected, a fitting one. Villas and hotels vie with each other in their endeavour to present their smartest appearance, and the sound of hammering echoes through the streets. The Empress will stay at the Sanatorium of Professor Groedel, under whose direction she will take the cure. The ground floor and the first floor have been reserved for her Majesty, and have been furnished in the simple style which she prefers. The villa is situated in the most beautiful part of Nauheim, quite close to the Kurhaus, and opposite to the Grand Park.



ANOTHER GOOD SHOCK-ABSORBER, THE "PREMIER."

This is of the "elastic shackle" type, and depends entirely upon the shock-absorbing capabilities of two powerful springs of square section. Its construction and action are made quite clear by the sectional illustration.



STANDING PROOF OF THE POPULARITY OF "CONTINENTAL" TYRES; THE COMPANY'S ENLARGED BUILDING IN ALEXANDER SQUARE. Our illustration shows the fine premises of the Continental Tyre and Rubber Co., Limited, in Alexander Square, which have recently been considerably extended owing to the rapid growth of the business. Considering that the new building was taken over by the Continental Tyre Co. only in May last, the fact that extensions have had to be added already speaks volumes for the popularity of Continental Tyres.



The Prime Minister of Comfort.

The one thing needed to make your motoring like "riding on velvet" on the roughest roads is the "Premier" Shock Absorber. The bumping and jerking of one little journey without the "Premier" takes more out of your car and tyres than hundreds of miles of steady running with the "Premier" fitted. That is why it is so vital that you should delay no longer. Have the "Premier" fitted at once.

Prices per Set:

Type A—£3 10 0. Type B—£4 10 0.
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PREMIER SHOCK ABSORBER.

7 days' free trial of any type of this **BRITISH-MADE** device.

Laminated Springs Recambered and Repaired.
Commercial Cars Fitted.

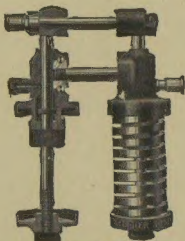
Lever Spring Co., Ltd.,

JANUS WORKS,

Queen's Road, Battersea, S.W.

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(In Section.)

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a mileage representing the present limit of tyre science and tyre service.

is based on the records of all users of Goodrich Tyres, and embraces all car or road conditions, and every contingency of service. It is the motorist's assurance of tyre efficiency.

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The comfort of it, the sureness, ease, sweetness—each and every characteristic deserves notice. The "Swan" Fountain-pen pleases the most impatient, exacting writer—those who expect more out of a pen than others have given. We can satisfy such and win their enthusiastic recommendation. Every hand suited exactly.

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"SWAN SAFETY"

TELESCO SHOCK ABSORBERS

"Best by Test."

YOU CAN TRY THEM—FREE.

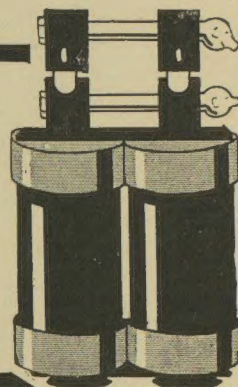
Remember always that there are features about the Telesco that are not to be found in other so-called shock-absorbers. It is not merely an auxiliary springing device, but a scientific and practical invention which positively

ABSORBS AND DAMPS ALL ROAD SHOCKS.

With the Telesco the shock is first taken by a spring, after which the rebound is most effectively regulated by **HYDRAULIC MEANS.**

Write at once for full particulars of our **ORIGINAL Free Trial Scheme.**

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Those humps on the Road

will not cause your springs to break or to recoil with a shock if you fit

The 'GABRIEL' Rebound Snubber

the only real shock absorber that prevents the uncomfortable "bounce" caused by the violent rebound of the springs after the car has passed over obstacles and deep depressions in the roadway. The finely tempered springs contained in this device completely absorb the continual vibration and side-sway that makes motoring unpleasant. The "Snubber" requires no attention, and has no mechanism to work loose or get out of order. **PROLONGS TYRE LIFE; PROTECTS SPRINGS; PREVENTS SWAYING; ADDS TO COMFORT AND SAFETY.** Easily fixed. No further attention required. Suitable for all cars. Prices from **£3 3s.** per pair (sets of four recommended). Full particulars on application.

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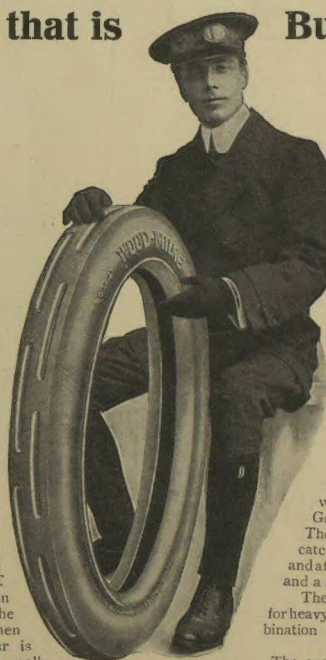
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NEW NOVELS.

"The Ship That Came Home in the Dark."

"The Ship That Came Home in the Dark" (Methuen) imposes a heavy strain upon human credulity; and all Miss Agnes Grozier Herbertson's aplomb cannot away with its absurdity. The plot describes two cousins, Marjorie and Margaret, who are so alike in appearance that when they exchange identities they deceive not only their intimate friends—so much is just within the bounds of possibility—but also Marjorie's blind husband. Miss Herbertson makes the best of a bad business by announcing at the outset that the intuitions of the blind are not easily defeated; but this admitted, she sails on gaily into the realms of pure fantasy. Dan Forester is unconscious that he has exchanged one woman for another until Margaret's singing betrays her; he does not know, by the senses that any observer of the intelligent blind knows to be as keen as sight, that his wife has abandoned him to her cousin—and this in spite of his choice between the two personalities having been deliberately made when he gave up the early stages of a courtship of Margaret to fall in love with Marjorie! We fear "The Ship That Came Home in the Dark" is an unseaworthy craft.

"Prisoners' Years."

The motif of "Prisoners' Years" (Methuen) has more than a touch of Father Benson. This depreciates the value of Miss I. Clarke's novel as an independent work, but it implies no reflection upon her sincerity. The book tells the story of a conversion to the Roman Church, which includes the temporary exile and ostracism of the convert, and ends in a conventionally happy ending. It sounds rather trite; but as a matter of fact, it is all quite picturesque, quite romantic, and sufficiently well-flavoured with worldlings to be acceptable to the novel-reading world, which does not at all object to having its religious feelings touched so long as it feels it is moving in good society. Miss Clarke's nice people are bright and attractive, and real enough to invite criticism when their actions run off the rails. How, one asks, could a man as well-bred as Felix neglect the common civility due to his fiancée, even though he plunged suddenly into the throes of a soul's awakening? Such a man might have thrown over a business engagement of vital importance, but he was not in the least likely to have deserted the girl as he did without a word of apology. Miss Clarke's sympathies are with Felix; but our feeling is that the young woman was scurvily treated, and that she showed a very proper spirit in breaking off her engagement to her discourteous lover.

CHESS.

To CORRESPONDENTS.—Communications for this department should be addressed to the Chess Editor, Milford Lane, Strand, W.C.

W LILLIE (Marple).—We do not agree with your criticism. A capture is just as much a move of the game as any other, and when it is both insignificant in its nature and leads to such brilliant results, we cannot think it detracts one atom from the value of the problem.

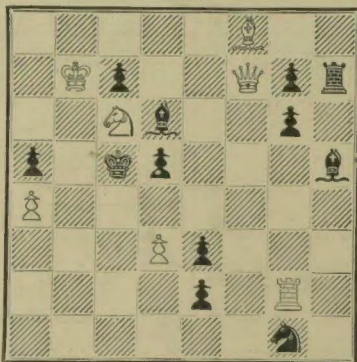
C M S (Harnsley).—Kindly submit a fresh diagram. We never care to amend defective positions, there is always so much room for continued errors.

A M SPARKS (Lincoln).—The contribution of an old correspondent is very welcome, and shall be examined and reported upon.

A L CURLING (Tunbridge Wells).—We thank you for your courtesy in sending programme.

CORRECT SOLUTION OF PROBLEM No. 3535 received from Professor S W Myers, Ph.D. (Redlands, California); of No. 3536 from C A M (Ponang); of No. 3537 from R Tidmarsh (Hotel Kalamanka, Vernon), Henry A Seller (Denver, U.S.A.), N Bacon (Chicago), and Charles Willing (Philadelphia); of No. 3538 from R Tidmarsh and Henry A Seller; of No. 3539 from C Field junior (Athol, Mass.); of No. 3540 from Theo Marzialis (Colyton), J B Camara (Madeira), Jacob Verrall (Kodmell), John Isaacson (Liverpool), and G Mills; of No. 3541 from J F G Pietersen (Kingswinford), G Mills, W Best (Dorchester), J E Lelliott (Forest Gate), L Schlu (Vienna), Captain Challice (Great Yarmouth), and A W Hamilton Gell (Winslade).

CORRECT SOLUTIONS OF PROBLEM No. 3542 received from W Winter (Medstead), G Stillingfleet Johnson (Cobham), F Saavedra (Glasgow), R S Nicholls (Willesden), J Cohn (Berlin), J Fowler, G Threder, J Churcher (Southampton), Horatio Baxter (Tayport), Rev. J Christie (Redditch), M Reis (Bradford), J Leslie Laidlaw (Edinburgh), W H Taylor (Westcliff-on-Sea), G Bakker (Rotterdam), F W Young (Shaftesbury), Ph. Lehzen (Hanover), R Worters (Canterbury), J F G Pietersen, E J Winter-Wood (Paignton), Baron de Puilland (Wassenaar, Holland), J Deering (Wicklow), W Lillie (Marple), and J Green (Boulogne).

PROBLEM No. 3544.—By B. G. LAWS.
BLACK.

WHITE.

White to play, and mate in two moves.

SOLUTION OF PROBLEM No. 3541.—By H. MAXWELL PRIDEAUX.

WHITE
1. Kt takes P
2. Q to K and
3. Q or R mates.

If Black play 1. K to K and, 2. K to B 7th; and if 1. K to Q 4th, then 2. R to K 8th, etc.

BLACK
K takes Kt
Any move

CHESS IN SPAIN.

Game played at San Sebastian between Messrs. SPIELMANN and TARRASCH.
(Ruy Lopez).

WHITE (Mr. S.)
1. P to K 4th
2. Kt to K B 3rd
3. B to Kt 5th
4. B to R 4th
5. Castles
6. P to Q 4th
7. B to Kt 3rd
8. P to Q R 4th

BLACK (Dr. T.)
1. P to K 4th
2. Kt to Q B 3rd
3. P to Q R 3rd
4. Kt to B 3rd
5. Castles
6. P to Q Kt 4th
7. P to K 4th
8. P to Q R 4th

WHITE (Mr. S.)
9. Kt takes Kt
10. Kt to B 3rd
11. P takes Kt
12. R takes P
13. Q to B 3rd
14. R takes P
15. P to Q 4th
16. B to R and
17. P takes K
18. B to Kt sq
19. Q to Kt 3rd
20. P to B 4th

BLACK (Dr. T.)
9. R to K sq
10. P to R 3rd
11. R to Kt sq
12. Q takes P
13. Q to K 8th
14. B to K 5th
15. R to K 5th
16. R to K 5th
17. R to K 5th
18. R to K 5th
19. R to K 5th
20. R to K 5th

In preparation for the final assault White is reduced to utter impotence, and can but mark time while his doom is maturing.

27. K to R and
28. Q to R 4th
29. R to K sq
30. P to Kt 3rd
31. B to B 2nd
32. R to B sq
33. Kt to K sq
34. R to B 4th
35. R to K sq
36. Q to K and
37. R to Kt sq
38. R to K sq
39. Q to R 5th

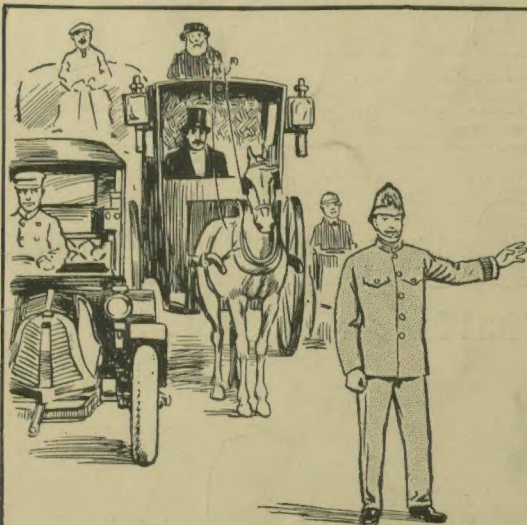
Giving Black an opening, which is utilised in great style.

39. Q takes R
40. K takes Q
41. P to Kt 4th

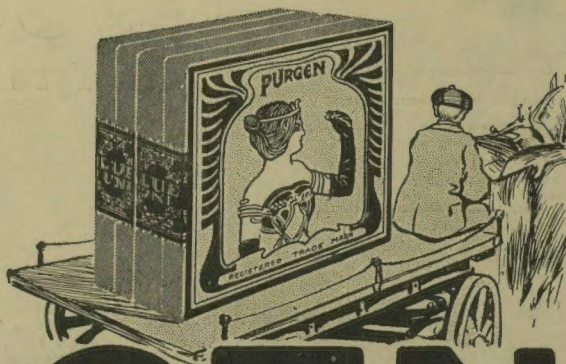
Finishing a remarkable game with a brilliant *coup-de-repos*. If now 42. K to Kt 3rd, B takes P (ch); 43. K takes B, P to Kt 3rd & 44. Q to K 4th, P to Kt 4th (ch), and wins.

The new Chess Café at 110 Strand, which has for its object the revival of the glories of Simpson's Divan, inaugurated its opening on April 13 with an exhibition of simultaneous play by Mr. Gunsberg. Every chess-player must wish all success to the new venture, and it is to be hoped will make a personal effort to support the undertaking, which necessarily appeals to a limited class for its maintenance.

In the High Court of Justice (Chancery Division), before Mr. Justice Parker, a case of great interest to patentees was recently decided—that of the Gillette Safety Razor Co. (plaintiffs) v. The Anglo-American Trading Co., and Bent and Parker, Limited. The plaintiffs sought an injunction against the defendants to restrain the manufacture and sale of the Duplex Razor, an alleged infringement of the Gillette Safety Razor. The Judge granted an injunction, and also certified the validity of Mr. King Camp Gillette's patent. The defendants stated their intention to appeal, and applied for a stay of the injunction and payment of costs, which the Judge refused, but he granted a stay of the taking of the account of damages until after the appeal was heard, if the defendants gave notice by a certain date.



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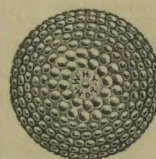
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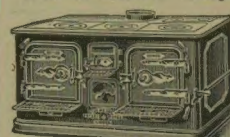
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